

RESOLUTION 2024-023
(2/13/2024)

RESOLUTION OF THE VILLAGE BOARD OF THE VILLAGE OF CALEDONIA
ACCEPTING IMPROVEMENTS FOR THE BUCKLEY ROAD EXTENSION

The Village Board of the Village of Caledonia, Racine County, Wisconsin, resolves as follows:

RECITALS

1. The Village and Donald I & Jane E Christensen (the "Developer") entered into a Development Agreement pertaining to the development of a Single-Family Residential Lot as part of the Buckley Road Extension (the "Development") with respect to the land described therein and certain public improvements, including a Sanitary Sewer Lateral, Storm Water Culverts, Road, and the Temporary Turnarounds.

2. The work for the Development, including the Sanitary Sewer Lateral, Storm Water Culverts, Road, and the Temporary Turnarounds have been completed and have been inspected for compliance with the approved plans and specifications and is recommended by the Village's Public Services Director that the work for the public improvements for the Development be accepted by the Village Board subject to the following conditions:

- a. Village Board acceptance and approval.
- b. The driveway culvert at 3738 Buckley Road is replaced with an equivalent arched culvert.

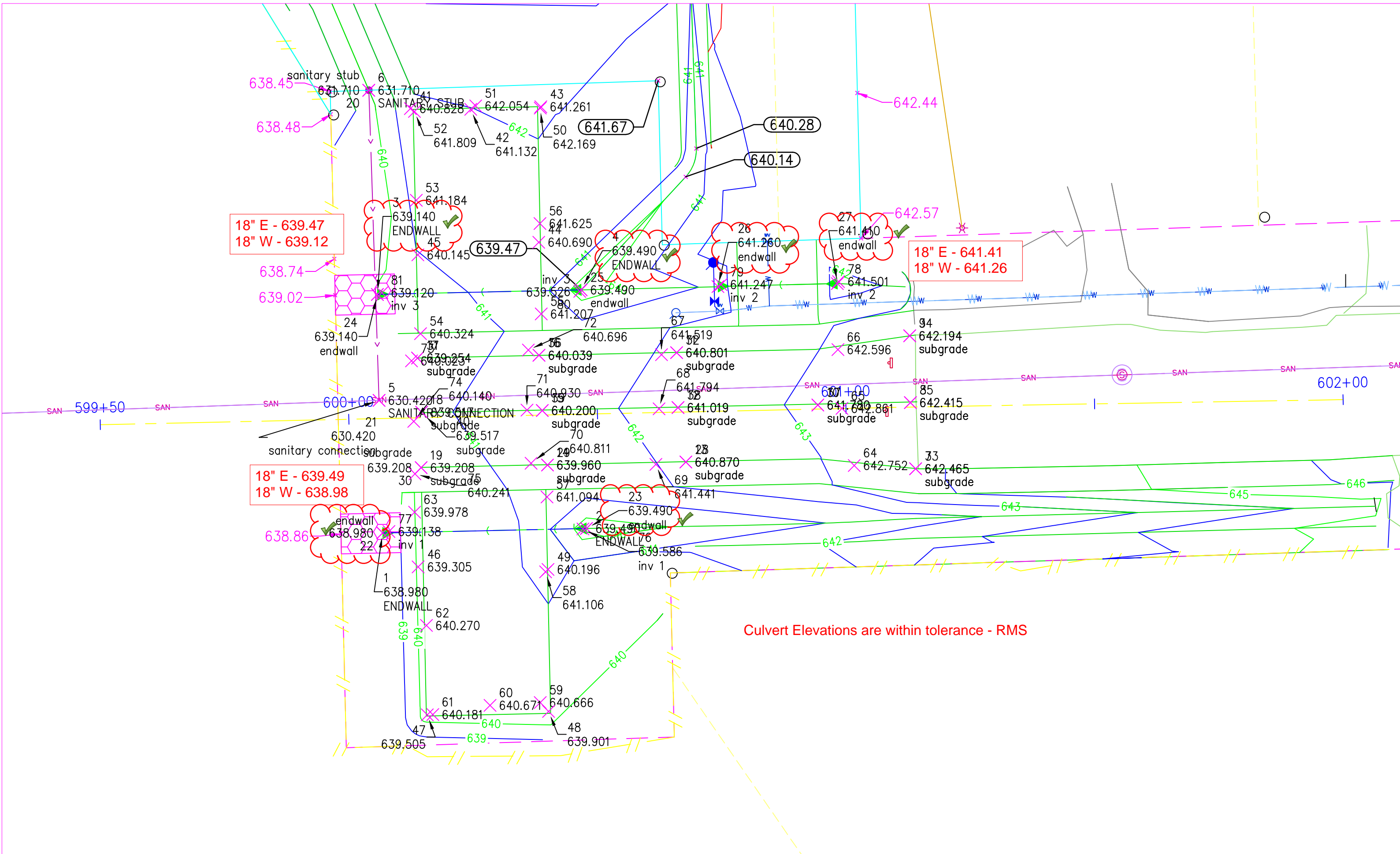
NOW THEREFORE BE IT RESOLVED THAT, the certain public improvements, including the Sanitary Sewer Lateral, Storm Water Culverts, Road, and the Temporary Turnarounds are hereby accepted by the Village Board subject to the conditions recommended by the Village's Public Services Director as set forth above.

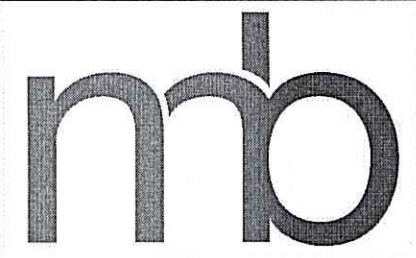
Adopted by the Village Board of the Village of Caledonia this 13 day of February 2024.

VILLAGE OF CALEDONIA

By: Thomas R. Weatherston
Thomas Weatherston, President

Attest: Jennifer Olsen
Jennifer Olsen, Clerk

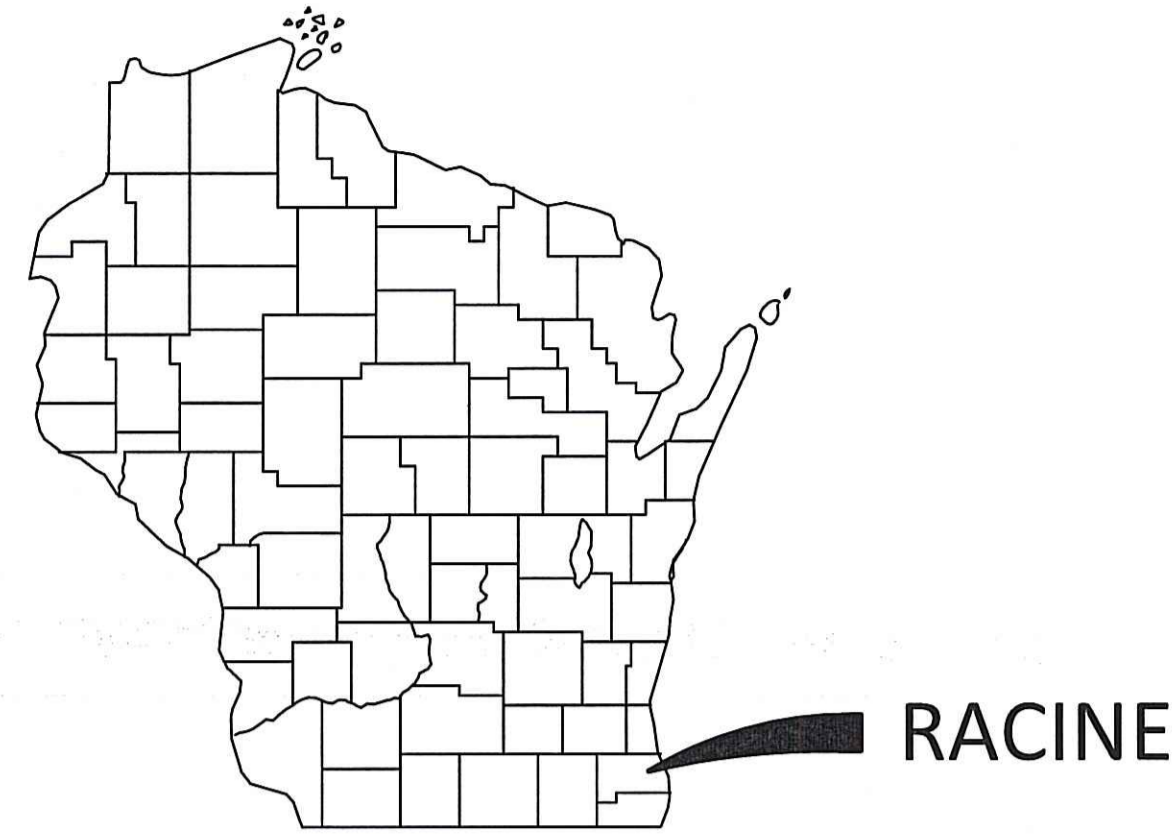




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1458 Horizon Blvd. Suite 200, Racine, WI. 53406
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CONSTRUCTION PLANS for BUCKLEY ROAD EXTENSION for DONALD AND JANE CHRISTENSEN Village of Caledonia, Racine County, Wisconsin



SHEET INDEX

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CLIENT

DONALD AND JANE CHRISTENSEN
4413 NORTHWESTERN AVENUE
RACINE, WI 53405

GOVERNING AGENCY CONTACTS

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UTILITY DIRECTOR
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RYAN SCHMIDT, P.E.
PUBLIC WORKS DIRECTOR
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SPECTRUM
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KENOSHA SOUTH
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NATURAL GAS EMERGENCY:
(800) 261-5325

ELECTRICAL EMERGENCY:
(800) 662-4797

LEGEND

Description	Existing	Description	Existing	Proposed
EDGE OF WOODS		WATER SHUT OFF		
DECIDUOUS TREE		WATER MAIN VALVE		
DECIDUOUS TREE REMOVAL		HYDRANT		
CONIFEROUS TREE		WATER MAIN REDUCER		
CONIFEROUS TREE REMOVAL		SANITARY MANHOLE		
BUSH		SANITARY CLEAN OUT		
SOIL BORING		STORM MANHOLE		
TELEPHONE BOX		CATCH BASIN		
GUY WIRE		LIGHT POLE		
UTILITY POLE		ENDWALL		
GAS VALVE		STORM SEWER		
GAS METER		SANITARY SEWER		
SEPTIC VENT		WATERMAIN		
ELECTRIC MANHOLE		CONTOURS		
COMMUNICATION MANHOLE		FIRE PROTECTION		
WATER MANHOLE		UTILITY CROSSING		
HVAC UNIT		DITCH OR SWALE		
UNDERGROUND VAULT		CULVERT		
SECTION CORNER		RAILROAD TRACKS		
MAIL BOX		FENCE		
GUARD POST		NO VEHICULAR ACCESS		
STREET SIGN		UNDERGROUND ELECTRIC		
ELECTRIC PEDESTAL		UNDERGROUND GAS MAIN		
ELECTRIC METER		UNDERGROUND COMMUNICATIONS		
PAD MOUNT TRANSFORMER		SILT FENCE		
FOUND IRON PIPE		OVERHEAD ELECTRIC		
SET IRON PIPE		FORCE MAIN		
DRY WELL				



UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.

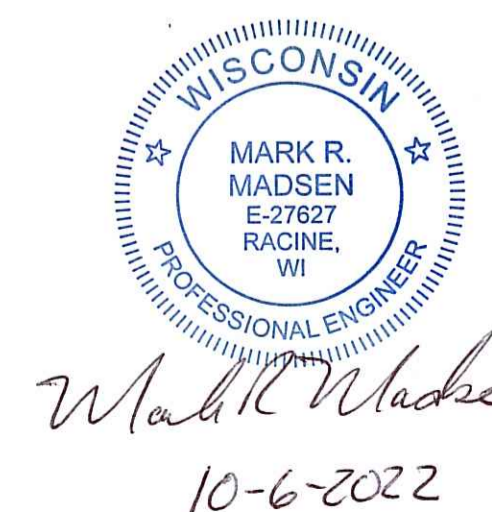
BENCH MARKS

1. LIGHTPOLE SPIKE
7" SPIKE OF SOUTHWEST FACING LIGHT POLE LOCATED
ELEVATION: 645.00



ABBREVIATIONS

BASE LINE	BL	INVERT ELEVATION	IE
LONG CORD OF CURVE	CHD	LENGTH OF CURVE	ARC
CURB AND GUTTER	C&G	MANHOLE	MH
CATCH BASIN	CB	NORMAL WATER LEVEL	NWL
CENTERLINE	CL	POINT OF CURVATURE	PC
EDGE OF PAVEMENT	EOP	POINT OF TANGENCY	PT
FINISHED FIRST FLOOR	FFF	TANGENCY OF CURVE	TAN
FINISHED GRADE	FG	POINT OF VERTICAL INTERSECTION	PVI
FLOW LINE	FL	RADIUS	R
FLOODPLAIN	FP	RIGHT OF WAY	ROW
ORDINARY HIGH WATER MARK	OHWM	SANITARY SEWER	SAN
TOP OF BANK	TOB	STORM SEWER	STM
TOP OF CURB	TOC	TOP OF FOUNDATION	TOF
TOP OF WALK	TOW	WATER MAIN	WM



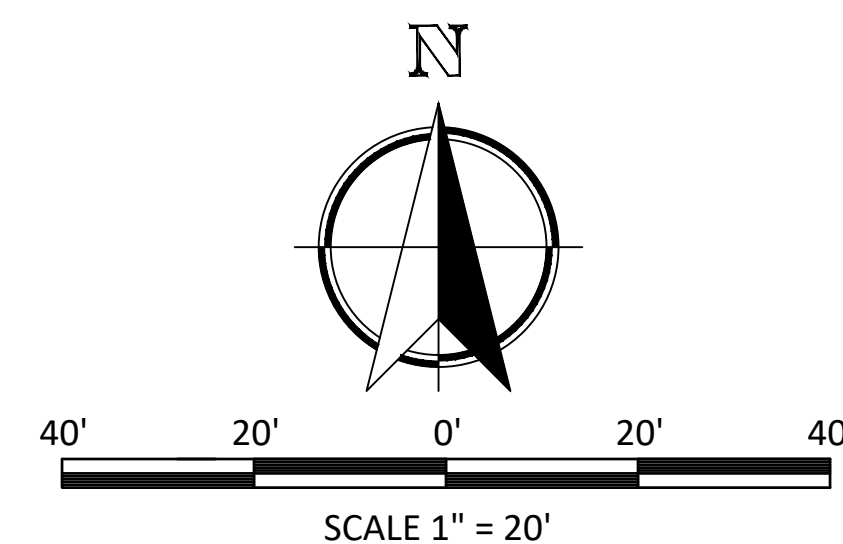
**BUCKLEY ROAD EXTENSION
CONSTRUCTION PLANS**
FOR
DONALD AND JANE CHRISTENSEN
VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN

NO.	REVISION	BY	DATE

PROJ. MGR: MRM
DRAFTED: JWR
DATE: 9-30-2022
CHECKED: ALI
DATE: 10-3-2022

2022.0172.01
SHEET
C-1

ISSUE FOR APPROVAL: 10-6-2022



NATHAN POELMANN
REBECCA POELMANN
104-04-23-31-200-025
0.49 AC

ERIC C BROWY
JULIE A SCHNEIDER
104-04-23-31-200-024
0.49 AC

JEFFREY A LOGIC
MARY ANN LOGIC
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MICHAEL L MEHEVIC SR
LISA R MEHEVIC
104-04-23-31-200-022
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DONALD I CHRISTENSEN
JANE E CHRISTENSEN
104-04-23-31-073-000
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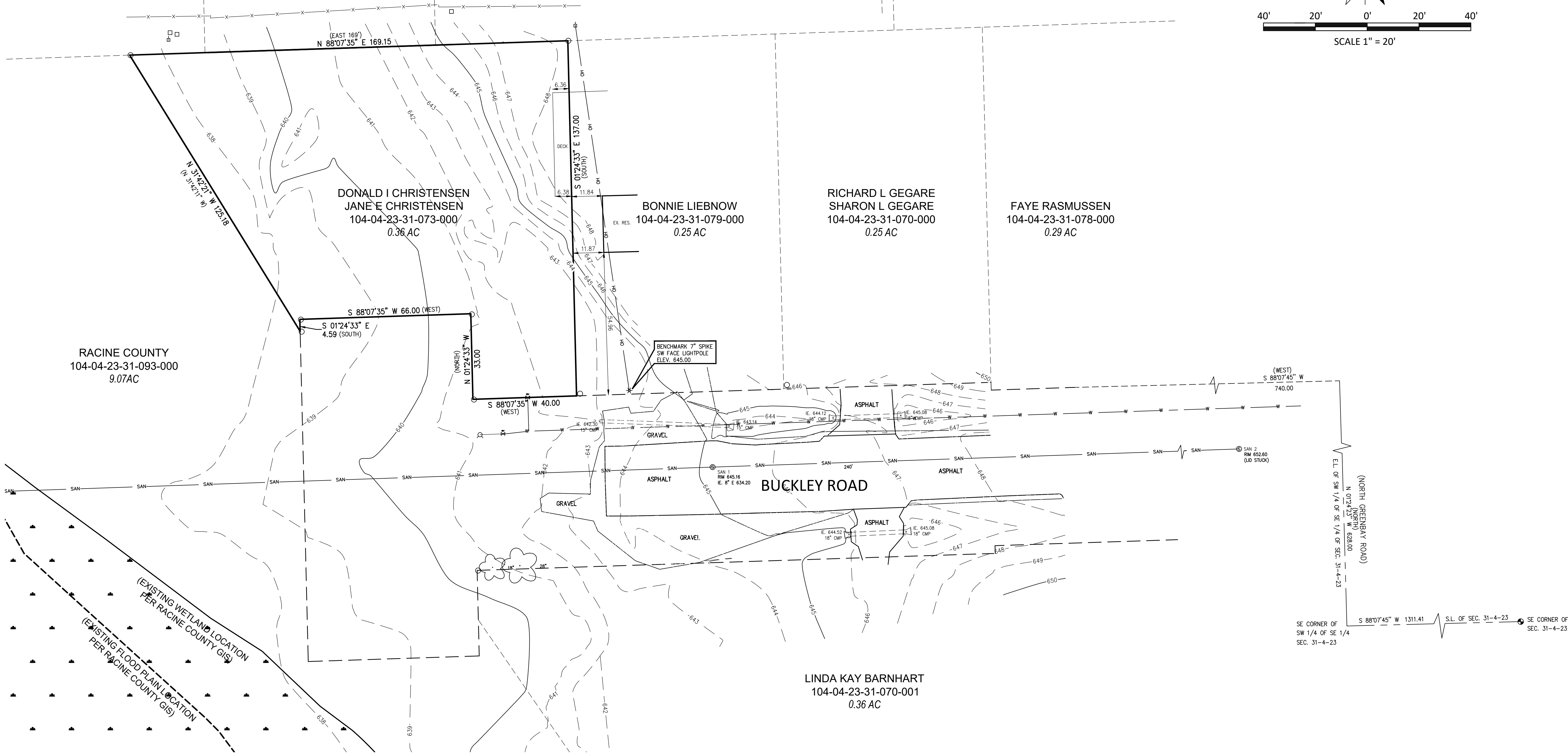
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104-04-23-31-078-000
0.29 AC

RACINE COUNTY
104-04-23-31-093-000
9.07 AC

LINDA KAY BARNHART
104-04-23-31-070-001
0.36 AC



NOTES
BEARING BASE: GRID NORTH, WISCONSIN
COORDINATE SYSTEM, SOUTH ZONE.
BASED UPON NAD 1983 / 2011.
ALL ELEVATIONS REFER TO NAVD 1988 (12).



LEGEND table with symbols for Storm Manhole, Catch Basin, Storm Sewer, Deciduous Tree, Coniferous Tree, Sign, Sanitary Manhole, Sanitary Sewer, Electric Pedestal, Hydrant, Water Valve, Water Main, R.R. Spike Found, 3/4" Rebar Found, 1-1/4" Iron Pipe Found, 3/4" Rebar Set, 1" Iron Pipe Found, Communication Box.

EXISTING UTILITY DATA table listing SAN 1 and SAN 2 with RIM and IE coordinates.

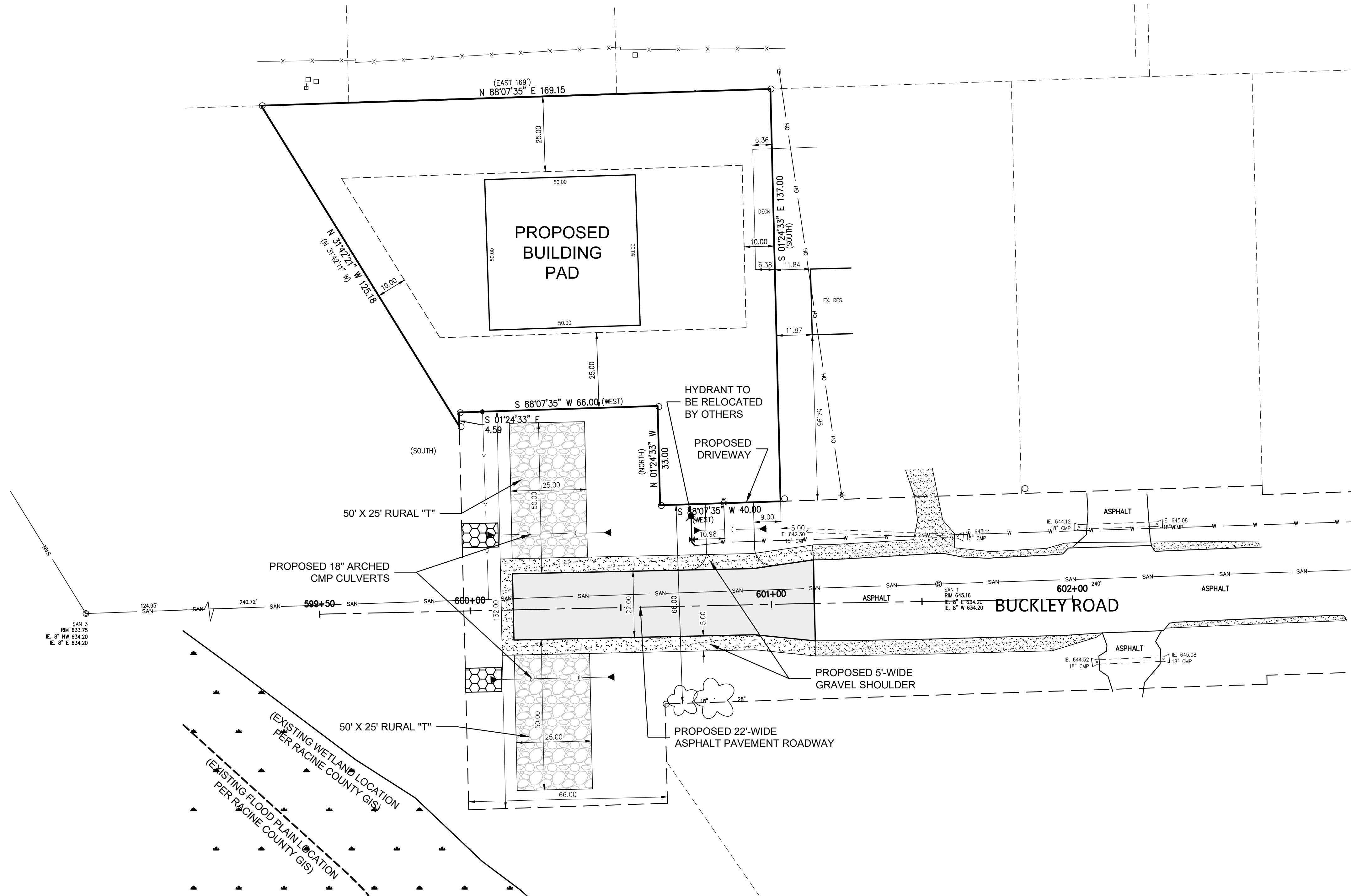
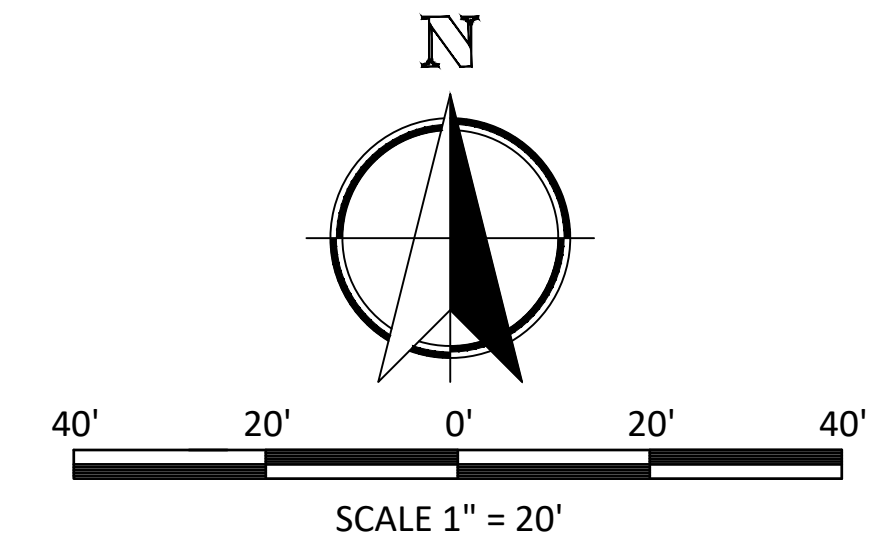
BUCKLEY ROAD EXTENSION
EXISTING CONDITIONS MAP
FOR
DONALD AND JANE CHRISTENSEN
VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN

Table with columns: NO., REVISION, BY, DATE

PROJ. MGR: MRM
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LEGEND

- PROPOSED ASPHALT PAVEMENT ROADWAY
- PROPOSED GRAVEL SHOULDER
- PROPOSED GRAVEL TEMPORARY "T"

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BUCKLEY ROAD EXTENSION
DIMENSIONED SITE PLAN
FOR
DONALD AND JANE CHRISTENSEN
VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN

NO.	REVISION	BY	DATE

PROJ. MGR: MRM
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BUCKLEY ROAD EXTENSION
 SITE DEMOLITION PLAN
 FOR
DONALD AND JANE CHRISTENSEN
 VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN

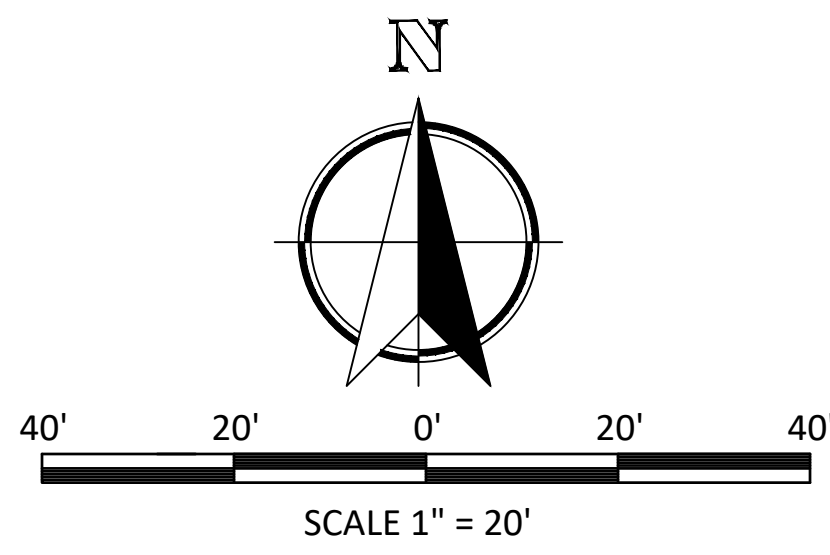
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GENERAL NOTES

DEMOLITION, EROSION CONTROL, EARTHWORK, SITE GRADING, PAVEMENT AND UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STATE OF WISCONSIN, STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION", 2014 EDITION, HEREIN REFERRED TO AS THE "STATE SPECIFICATIONS".

DEMOLITION NOTES

THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (AT A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PAVEMENTS, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLY COMPACTED STRUCTURAL FILL MATERIAL PER THE SPECIFICATIONS.

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR DEMOLITION, SITE CLEARING, AND DISPOSAL.

THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.

THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE LAND SURVEYOR AND ENGINEER OF RECORD ASSUME NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND DISCONNECTION OF UTILITY SERVICES TO THE EXISTING BUILDINGS PRIOR TO DEMOLITION (OR MODIFICATION) OF THE BUILDINGS.

ALL EXISTING SEWERS, PIPING, AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION OR AS THE ONLY CONFLICTS THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.

ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CALL DIGGERS HOTLINE AT 1-800-242-8511 A MINIMUM OF 3 WORKING DAYS PRIOR TO EXCAVATION ACTIVITIES TO LOCATE AND MARK ALL UNDERGROUND UTILITIES.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HIRE A PRIVATE UTILITY LOCATING SERVICE TO LOCATE AND MARK ALL UNDERGROUND PRIVATE UTILITIES.

CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH SIGNS, FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE CONSTRUCTION MANAGER. TEMPORARY CLOSURE OF ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING THE COURSE OF WORK.

PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.

EXISTING ITEMS TO REMAIN INCLUDING, BUT NOT LIMITED TO, FENCES, SIGNS, UTILITIES, BUILDINGS, TREES, PAVEMENTS, AND LIGHT POLES SHALL BE CAREFULLY PROTECTED DURING THE DEMOLITION PROCESS. ANY DAMAGE SUSTAINED TO ITEMS TO REMAIN IN PLACE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER.

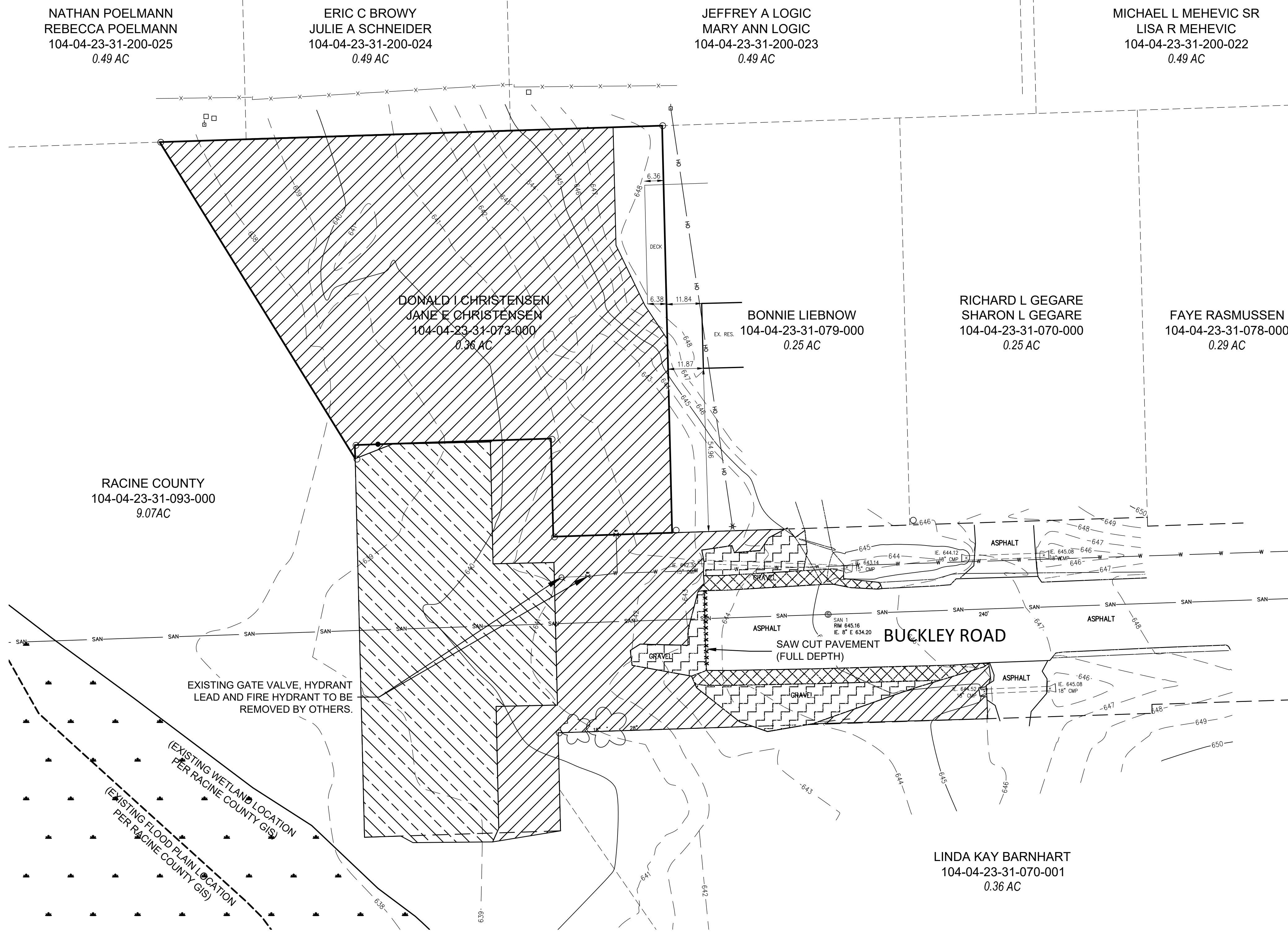
PROPERTY CORNERS AND BENCHMARKS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL LIMIT PAVEMENT REMOVALS TO ONLY THOSE AREAS WHERE IT IS NECESSARY AS SHOWN ON THESE CONSTRUCTION PLANS. CONCRETE SIDEWALK AND CURB & GUTTER IS TO BE REMOVED TO NEAREST JOINT IN ORDER TO ACCOMMODATE PROPOSED IMPROVEMENTS. IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENTS AND OR OTHER IMPROVEMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPAIR OF DAMAGED PAVEMENT AND OTHER ITEMS AT NO ADDITIONAL COST TO THE OWNER.

ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24 OF THE "STANDARD SPECIFICATIONS".

IF PREVIOUSLY UNIDENTIFIED HAZARDOUS, CONTAMINATED MATERIALS, OR OTHER ENVIRONMENTAL RELATED CONDITIONS ARE DISCOVERED, STOP WORK IMMEDIATELY AND NOTIFY THE PROJECT CONSTRUCTION MANAGER FOR ACTION TO BE TAKEN. DO NOT RESUME WORK UNTIL SPECIFICALLY AUTHORIZED BY THE CONSTRUCTION MANAGER.

AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED, EXCESS, WASTE, STOCKPILED AND SPOIL MATERIAL IN ACCORDANCE WITH SECTION 205.3.12 OF THE "STATE SPECIFICATIONS". THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.



DEMOLITION LEGEND

- STRIP AND SALVAGE TOPSOIL
- CLEAR & GRUB TREES / STRIP TOPSOIL
- GRAVEL TO BE REMOVED
- SHOULDER TO BE RE-SHAPED

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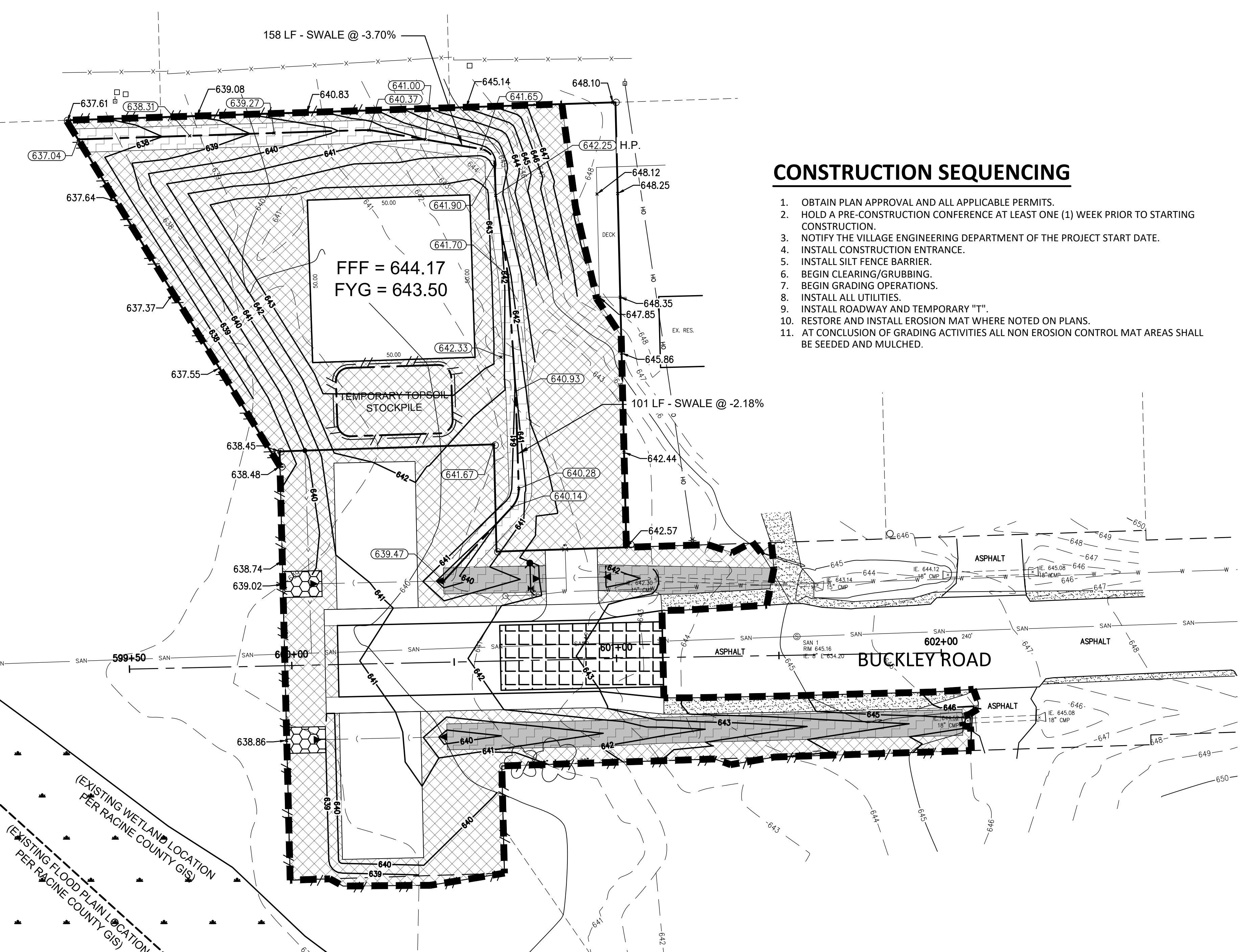
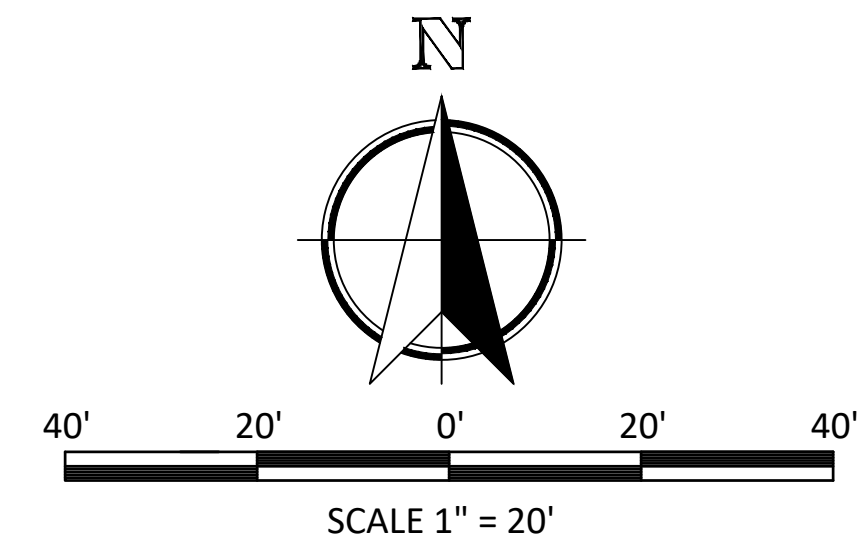
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Thursday, October 06, 2022 11:09:52 AM



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CONSTRUCTION SEQUENCING

- OBTAIN PLAN APPROVAL AND ALL APPLICABLE PERMITS.
- HOLD A PRE-CONSTRUCTION CONFERENCE AT LEAST ONE (1) WEEK PRIOR TO STARTING CONSTRUCTION.
- NOTIFY THE VILLAGE ENGINEERING DEPARTMENT OF THE PROJECT START DATE.
- INSTALL CONSTRUCTION ENTRANCE.
- INSTALL SILT FENCE BARRIER.
- BEGIN CLEARING/GRUBBING.
- BEGIN GRADING OPERATIONS.
- INSTALL ALL UTILITIES.
- INSTALL ROADWAY AND TEMPORARY "T".
- RESTORE AND INSTALL EROSION MAT WHERE NOTED ON PLANS.
- AT CONCLUSION OF GRADING ACTIVITIES ALL NON EROSION CONTROL MAT AREAS SHALL BE SEEDED AND MULCHED.

THE MOISTURE CONTENT OF COHESIVE SOIL SHALL NOT VARY BY MORE THAN -1 TO +3 PERCENT AND GRANULAR SOIL +3 PERCENT OF THE OPTIMUM WHEN PLACED AND COMPACTED OR RECOMPACTED, UNLESS SPECIFICALLY RECOMMENDED / APPROVED BY THE SOILS ENGINEER MONITORING THE PLACEMENT AND COMPACTION. COHESIVE SOILS WITH MODERATE TO HIGH EXPANSIVE POTENTIALS (PI>15) SHOULD, HOWEVER, BE PLACED, COMPACTED AND MAINTAINED PRIOR TO CONSTRUCTION AT A MOISTURE CONTENT OF 3±1 PERCENT ABOVE OPTIMUM MOISTURE CONTENT TO LIMIT FUTURE HEAVE.

THE FILL SHALL BE PLACED IN LAYERS WITH A MAXIMUM LOOSE THICKNESS OF 9 INCHES. THE COMPACTION EQUIPMENT SHOULD CONSIST OF SUITABLE MECHANICAL EQUIPMENT SPECIFICALLY DESIGNED FOR SOIL COMPACTION. BULLDOZERS OR SIMILAR TRACKED VEHICLES ARE TYPICALLY NOT SUITABLE FOR COMPACTION.

TEMPORARY SEEDING IS REQUIRED FOR ALL STOCKPILES AND OTHER EXPOSED LAND AREAS IF NOT UTILIZED WITHIN 30 DAYS. AT THE COMPLETION OF THE PAVEMENT WORK, RE-SPREAD SALVAGED TOPSOIL TO PROVIDE A MINIMUM SIX-INCH (6") LAYER IN ALL LANDSCAPE AND LAWN AREAS. ALL DISTURBED AREAS SHALL BE RESTORED PER SPECIFIC DETAILS IN THE SITE LANDSCAPE PLAN.

UPON COMPLETION OF THE GRADING AND COMPACTION OF THE SUBGRADE, A PROOF ROLL SHALL BE CONDUCTED BY THE CONTRACTOR ON ALL SUBGRADES THAT RECEIVE DENSE AGGREGATE BASE COURSE. THE CONTRACTOR SHALL PROVIDE A FULLY LOADED QUAD-AXLE TRUCK (18 TON MINIMUM LOAD) TO PERFORM THE PROOF ROLL. CONTRACTOR SHALL COORDINATE THE PROOF ROLL WITH THE OWNER AND THE GENERAL CONTRACTOR'S GEOTECHNICAL ENGINEER.

AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED, EXCESS, WASTE, STOCKPILED AND SPOIL MATERIAL IN ACCORDANCE WITH SECTION 205.3.12 OF THE "STATE SPECIFICATIONS". THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

EROSION & SEDIMENT CONTROL NOTES

THE EROSION AND SEDIMENT CONTROL PROVISIONS DETAILED ON THE DRAWINGS AND SPECIFIED HEREIN ARE THE MINIMUM REQUIREMENTS FOR EROSION CONTROL.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE ANY REVISIONS, ADJUSTMENTS OR PROPOSED ALTERATIONS TO THE CONSTRUCTION SEQUENCING AND/OR EROSION CONTROL PLANS. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND REGULATORY OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BEST MANAGEMENT PRACTICES (BMP'S). ALL SIGNIFICANT DEVIATIONS FROM THE PLANS MUST BE SUBMITTED AND APPROVED BY THE VILLAGE OF CALEDONIA.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, MAINTENANCE, REPAIR AND REMOVAL OF ALL EROSION CONTROL DEVICES REQUIRED FOR THE PROJECT WHICH SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND THE VILLAGE OF CALEDONIA ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS. SEE THE VILLAGE OF CALEDONIA AND WDNR EROSION CONTROL PERMITS FOR ADDITIONAL DETAILS OR REQUIREMENTS.

ALL EROSION AND SEDIMENT CONTROL MEASURES AND DEVICES SHALL BE INSPECTED BY THE CONTRACTOR AS REQUIRED IN THE WISCONSIN ADMINISTRATIVE CODE (SPS 360.21) AND MAINTAINED PER SPS 360.22.

INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL CHECK THE EROSION AND SEDIMENT CONTROL PRACTICES FOR MAINTENANCE NEEDS AT ALL THE FOLLOWING INTERVALS UNTIL THE SITE IS STABILIZED:

- AT LEAST WEEKLY.
 - WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. A RAINFALL EVENT SHALL BE CONSIDERED TO BE THE TOTAL AMOUNT OF RAINFALL RECORDED IN ANY CONTINUOUS 24-HOUR PERIOD. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES IMMEDIATELY REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
- THE CONTRACTOR SHALL MAINTAIN A MONITORING RECORD WHEN THE LAND DISTURBING CONSTRUCTION ACTIVITY INVOLVES ONE OR MORE ACRES. THE MONITORING RECORD SHALL CONTAIN AT LEAST THE FOLLOWING INFORMATION:
- THE CONDITION OF THE EROSION AND SEDIMENT CONTROL PRACTICES AT THE INTERVALS SPECIFIED ABOVE.
 - A DESCRIPTION OF THE MAINTENANCE CONDUCTED TO REPAIR OR REPLACE EROSION AND SEDIMENT CONTROL PRACTICES. EROSION AND SEDIMENT CONTROL INSPECTIONS AND ENFORCEMENT ACTIONS MAY BE CONDUCTED BY WDNR, THE VILLAGE OF CALEDONIA OR THEIR AUTHORIZED AGENTS DURING AND AFTER THE CONSTRUCTION OF THIS PROJECT.

EROSION AND SEDIMENT CONTROL INSPECTIONS AND ENFORCEMENT ACTIONS MAY BE CONDUCTED BY WDNR, THE VILLAGE OF CALEDONIA OR THEIR AUTHORIZED AGENTS DURING AND AFTER THE CONSTRUCTION OF THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE OR LOCAL INSPECTORS AND/OR THE ENGINEER OF RECORD, SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.

ALL SEDIMENT AND EROSION CONTROL DEVICES, INCLUDING PERIMETER EROSION CONTROL MEASURES SUCH AS CONSTRUCTION ENTRANCES, EROSION CONTROL WATTLES AND EXISTING INLET PROTECTION SHALL BE INSTALLED PRIOR TO COMMENCING EARTH DISTURBING ACTIVITIES. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES UNTIL THE SITE HAS ESTABLISHED A VEGETATIVE COVER AND IS STABILIZED.

INSTALL EROSION CONTROL SILT FENCE PER SECTION 628 OF THE "STATE SPECIFICATIONS" AND WDNR TECHNICAL STANDARD 1056 AT THE LOCATIONS SHOWN ON THE PLAN. ERECT SILT FENCE PRIOR TO STARTING A CONSTRUCTION OPERATION THAT MIGHT CAUSE SEDIMENTATION OR SILTATION AT THE SITE OF THE PROPOSED SILT FENCE. CONTRACTOR SHALL INSTALL SILT FENCING AT DOWNSLOPE SIDE OF STOCKPILES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REMOVAL OF ALL REQUIRED SILT FENCE MATERIAL.

THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE (WHEN NECESSARY OR AS REQUIRED BY LOCAL INSPECTORS AND/OR ENGINEER OF RECORD).

EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):

- PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
- BACKFILL, COMPACT AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
- ANY WATER PUMPED FROM PITS, TRENCHES, WELLS OR PONDS SHALL BE DISCHARGED INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 AND BMP'S PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM OR DRAINAGE DITCH. PUMPED WATER CAN BE TREATED IN FILTER BAGS, STONE FILTERS OR SIMILAR DEVICES. QUALITY OF PUMPED WATER SHALL BE CONTINUOUSLY MONITORED DURING PUMPING OPERATIONS.

ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND THE VILLAGE OF CALEDONIA ORDINANCE.

ALL DISTURBED SLOPES EXCEEDING 5:1, SHALL BE STABILIZED WITH CLASS I, TYPE A EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) APPROVED (POLYMER) SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. EROSION MATTING AND/OR NETTING USED ON SITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052.

PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEP AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AT THE END OF EACH WORK DAY AND AS REQUESTED BY THE VILLAGE OF CALEDONIA.

EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.

GRADING/EROSION CONTROL LEGEND

—692—	EXISTING CONTOURS	—/—	SILT FENCE
—702—	PROPOSED CONTOURS	[Stone Pattern]	STONE TRACKING PAD
(804.85)	PROPOSED FINISHED GRADES	[Diagonal Lines]	SLOPE EROSION MAT, CLASS I - TYPE A
— — — — —	CENTERLINE OF SWALE	[Zigzag Pattern]	CHANNEL EROSION MAT, CLASS 1 - TYPE B
■ ■ ■ ■ ■	DISTURBED AREA (29,546 SF = 0.676 AC)	[Circular Pattern]	MEDIUM RIP RAP
		[Staked Pattern]	STAKED SOD

REFERENCES

ANY OR ALL OF THE FOLLOWING REFERENCE DOCUMENTS THAT ARE APPLICABLE TO THE PROPOSED ITEMS OF WORK ARE INCLUDED IN THIS CONTRACT:

STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2018 EDITION, HEREIN REFERRED TO AS "STATE SPECIFICATIONS." THE CURRENT VERSION OF THE "STATE SPECIFICATIONS" IS AVAILABLE ON THE WISDOT WEBSITE AT <http://roadwaystandards.dot.wi.gov/standards/stdnspec/index.htm>

"MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), 2009 EDITION WITH REVISIONS 1 AND 2 INCORPORATED.

ALL EROSION CONTROL, EARTHWORK, SITE GRADING, BASES, PAVEMENTS AND INCIDENTAL CONSTRUCTION ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE "STATE SPECIFICATIONS" AND "VILLAGE SPECIFICATIONS".

*WHENEVER THE "STATE SPECIFICATIONS" AND THE "VILLAGE SPECIFICATIONS" DIFFER, THE "VILLAGE SPECIFICATIONS" SHALL GOVERN.

*WHENEVER THE "STATE SPECIFICATIONS", "VILLAGE SPECIFICATIONS" OR CONSTRUCTION PLANS DIFFER, THE "VILLAGE SPECIFICATIONS" SHALL GOVERN.

SITE GRADING & SUB-GRADE PREPARATION

ALL EXISTING TOPSOIL AND OTHER NON-STRUCTURAL MATERIAL WITHIN THE PROPOSED BUILDING PAD, PAVEMENT SECTIONS AND STRUCTURAL FILL AREAS SHALL BE STRIPPED AND STOCKPILED AT THE LOCATION SHOWN OR AS DIRECTED BY THE GENERAL CONTRACTOR.

EXCAVATE, GRADE AND SHAPE SUBGRADE TO THE LINES AND GRADES SHOWN ON THE PLANS. SEE TYPICAL SECTIONS FOR PAVEMENT THICKNESS AND MATERIALS.

FOR STRUCTURAL FILL DEPTHS LESS THAN 20 FEET, THE DENSITY OF THE STRUCTURAL COMPACTED FILL AND SCARIFIED SUBGRADE AND GRADES SHALL NOT BE LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR (ASTM D-698) WITH THE EXCEPTION OF THE TOP 12 INCHES OF PAVEMENT SUBGRADE WHICH SHALL HAVE A MINIMUM IN-SITU DENSITY OF 100 PERCENT OF MAXIMUM DRY DENSITY, OR 5 PERCENT HIGHER THAN UNDERLYING FILL MATERIALS.

UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.

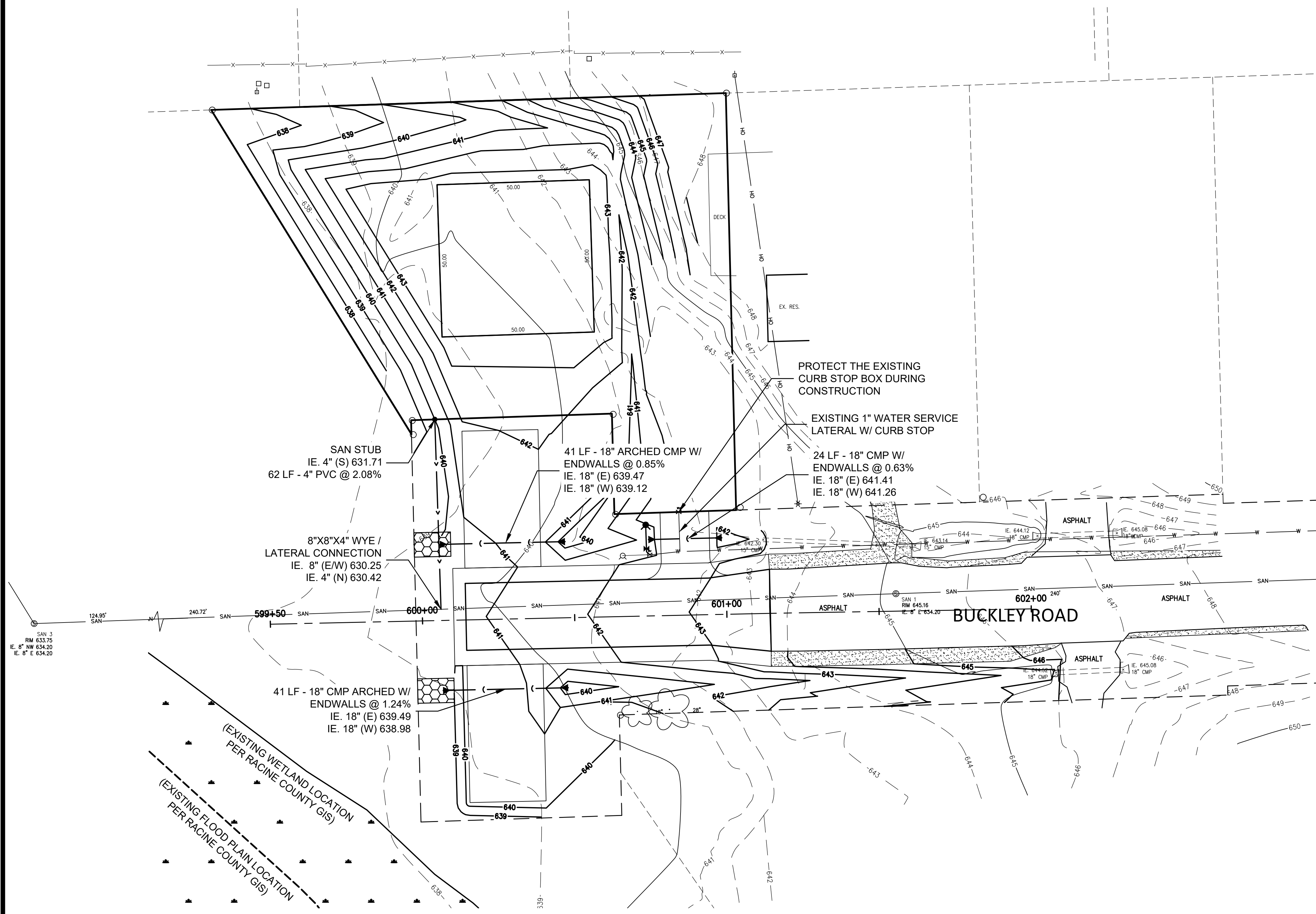
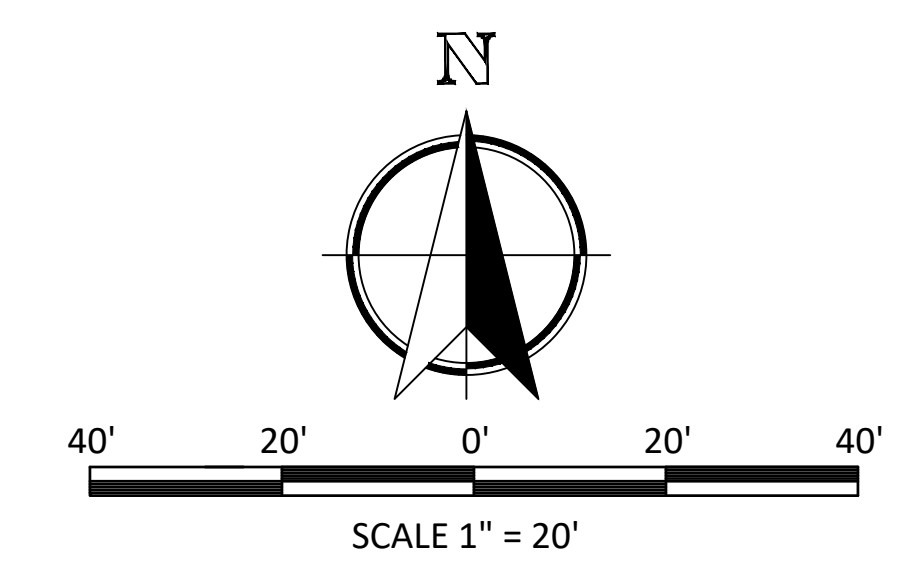


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Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS

1458 Horizon Blvd., Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbssc.net



LOT #	DOWNSTREAM MH	DISTANCE FROM MH (FT)	LATERAL LENGTH (FT)	I.E. @ PROPERTY LINE	RISER HEIGHT (FT)	LATERAL SIZE
1	EX SAN 3	216	62	631.71	-	4"

NOTE

CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF EXISTING SANITARY AND STORM SEWERS, WATER MAINS, GAS & ELECTRIC LINES OR OTHER UTILITIES PRIOR TO STARTING CONSTRUCTION. AS-BUILT (FIELD) DATA SHALL BE USED TO CHECK ALL PROPOSED UTILITY CROSSINGS FOR CONFLICTS.

UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.



UTILITY PLAN LEGEND

- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING STORM SEWER
- PROPOSED STORM SEWER

UTILITY CONSTRUCTION GENERAL NOTES

- ALL APPLICATIONS AND CONNECTION FEES FOR WATER SERVICES MUST BE SUBMITTED AND PAID PRIOR TO CONNECTION TO THE PUBLIC SYSTEMS.
- THE CONTRACTOR SHALL PROVIDE 7 DAYS NOTICE TO THE VILLAGE OF CALEDONIA BEFORE COMMENCING CONSTRUCTION ON ANY WATERMAIN IMPROVEMENTS.
- THE CONTRACTOR SHALL CONTACT THE VILLAGE OF CALEDONIA 72 HOURS PRIOR TO PROPOSED WATERMAIN SHUTDOWNS OR ANY WORK THAT MAY INTERFERE WITH EXISTING WATER SERVICE. ALL EXISTING VALVES, HYDRANTS, AND OTHER WATERMAIN INFRASTRUCTURE SHALL ONLY BE OPERATED BY THE VILLAGE OF CALEDONIA.
- CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF EXISTING SANITARY AND STORM SEWERS, WATER MAINS, GAS & ELECTRIC LINES AND OTHER ADJACENT UTILITIES PRIOR TO COMMENCING CONSTRUCTION. AS-BUILT (FIELD) DATA SHALL BE USED TO CHECK ALL PROPOSED UTILITY CROSSINGS FOR CONFLICTS.
- DATA SHALL BE USED TO CHECK ALL PROPOSED UTILITY CROSSINGS FOR CONFLICTS.
- CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE A MINIMUM OF 72 HOURS BEFORE THE START OF CONSTRUCTION TO HAVE THE ADJACENT UNDERGROUND PUBLIC UTILITIES LOCATED. THE LOCATION OF EXISTING PRIVATE UTILITIES MAY NOT BE SHOWN ON THE PLANS AND SHOULD BE LOCATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ANY WATER PUMPED FROM PITS, TRENCHES, WELLS OR PONDS SHALL BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE OFF-SITE. PUMPING OPERATIONS SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061. PUMPED WATER CAN BE TREATED IN RETENTION BASINS, FILTER BAGS, STONE FILTERS OR BY OTHER WDNR APPROVED METHODS. QUALITY OF PUMPED WATER SHALL BE CONTINUOUSLY MONITORED DURING PUMPING OPERATIONS.

SANITARY SEWER SPECIFICATIONS

- SANITARY SEWER LATERAL PIPE MATERIAL SHALL BE FOUR-INCH (4") PVC CLASS SDR-35 WITH INTEGRAL BELL TYPE ELASTOMERIC JOINTS CONFORMING TO THE REQUIREMENTS OF ASTM D3034, ASTM D3212 AND F-789/P546 WITH RUBBER GASKETS. SANITARY LATERALS SHALL BE PROVIDED WITH A CLEANOUT AT THE BUILDING PER SPS 382.35. LATERAL CLEAN-OUT RISERS SHALL BE SIX-INCH (6") DIAMETER WITH EIGHT-INCH (8") DIAMETER FROST SLEEVE CONSTRUCTED OF THE SAME MATERIAL. THE CLEANOUT RISERS SHALL TERMINATE FOUR INCHES (4") BELOW FINISHED GRADE WITH A SCREW ON CAP. THE FROST SLEEVE SHALL BE BROUGHT UP TO JUST BELOW FINISHED GRADE AND COVERED WITH A NEENAH R-3487 FRAME WITH A SOLID LID.
- SANITARY SEWER BACKFLOW PREVENTOR SHALL BE CONSTRUCTED WITH A CLEAN CHECK EXTENDABLE BACKWATER VALVE MODEL MADE BY RETORSEAL OR AN APPROVED EQUAL.
- A 10-GAUGE TRACER WIRE SHALL BE INSTALLED THE ENTIRE LENGTH OF ALL PRIVATE SANITARY SEWERS AND LATERALS PER SPS 382.30(11)(h). THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE WITHIN THE PROPOSED STRUCTURES. FOR THE SANITARY SEWER LATERALS, THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT THE BUILDING WALL AND ALL OTHER SYSTEM LIMITS (FOR EACH SYSTEM INSTALLED) AND ENCLOSED IN A RISER BOX WITH "SEWER" ON THE COVER.
- 1. WIRE SPLICES SHALL BE IN ACCORDANCE WITH STANDARD ELECTRICAL PRACTICES. ACCEPTABLE WIRE SPLICES ARE BRASS SPLIT BOLTS, DRYCONN WATERPROOF CONNECTORS, SNAP-LOC MODEL LV 9500, OR APPROVED EQUAL. WIRE NUTS ARE NOT ACCEPTABLE
- 2. BRANCH CONNECTIONS UTILIZING SPLIT BOLTS - SPLICE BRANCH TRACER WIRE TO MAIN TRACER WIRE USING THE FOLLOWING PROCEDURE: BARE TRACER WIRE ON MAIN LINE (DO NOT CUT); CONNECT BRANCH WIRE TO MAIN LINE WITH BRASS SPLIT BOLT; AND SEAL CONNECTION WITH RUBBER ELECTRICAL TAPE AND OVER WRAP WITH TWO LAYER OF POLYETHYLENE ADHESIVE TAPE 1-1/2" WIDE AND 8MM THICK.
- 3. BRANCH CONNECTIONS UTILIZING OTHER APPROVED CONNECTORS - FOLLOW MANUFACTURER'S RECOMMENDATIONS.

STORM SEWER SPECIFICATIONS

- MATERIAL FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE STATE OF WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (SPS) AND VILLAGE OF CALEDONIA SPECIFICATIONS.
- STORM SEWER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN", 6TH EDITION, DECEMBER 22, 2003 WITH ADDENDA NO. 1 AND NO. 2, HEREIN REFERRED TO AS THE "STANDARD SPECIFICATIONS".
- CORRUGATED STEEL CULVERT CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 521 OF THE "STATE SPECIFICATIONS" AND THE VILLAGE OF CALEDONIA SPECIFICATIONS.
- BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS".
- ANY AND ALL EXISTING SIDEWALKS, CURBS OR PAVEMENTS DISTURBED TO INSTALL UNDERGROUND UTILITIES SHALL BE SAWCUT AT THE NEAREST JOINT AND REPLACED IN KIND PER THE VILLAGE OF CALEDONIA SPECIFICATIONS.
- AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED, EXCESS, WASTE, STOCKPILED AND SPOIL MATERIAL IN ACCORDANCE WITH SECTION 205.3.12 OF THE "STATE SPECIFICATIONS". THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

**BUCKLEY ROAD EXTENSION
MASTER UTILITY PLAN**

FOR
DONALD AND JANE CHRISTENSEN
VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN

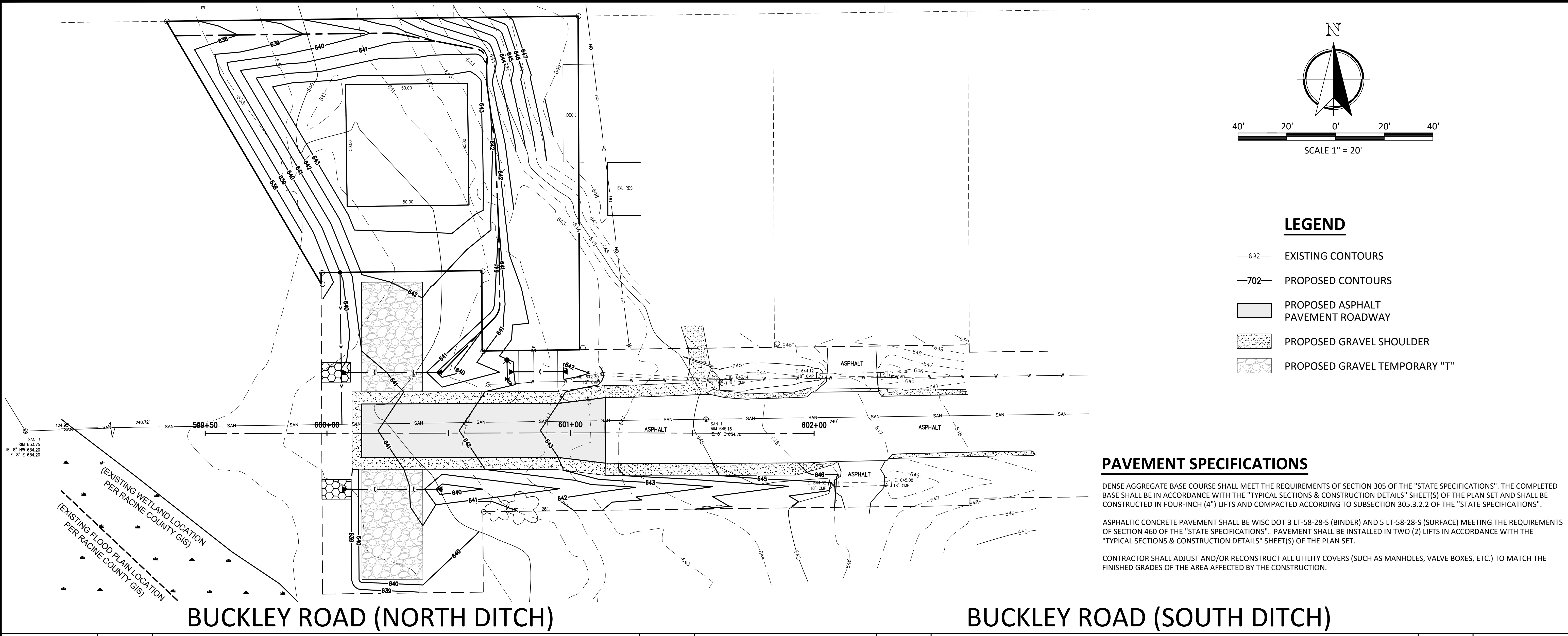
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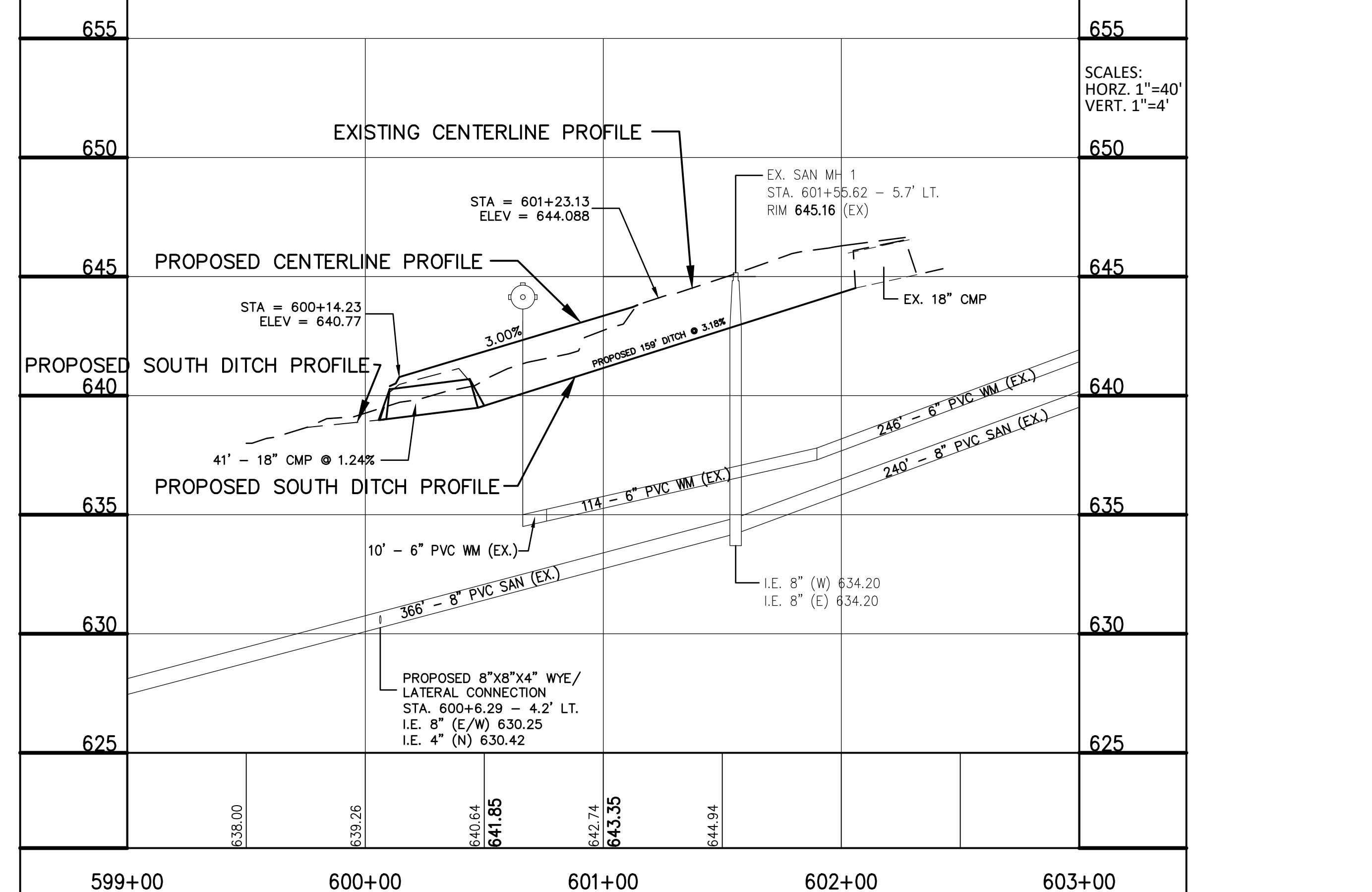
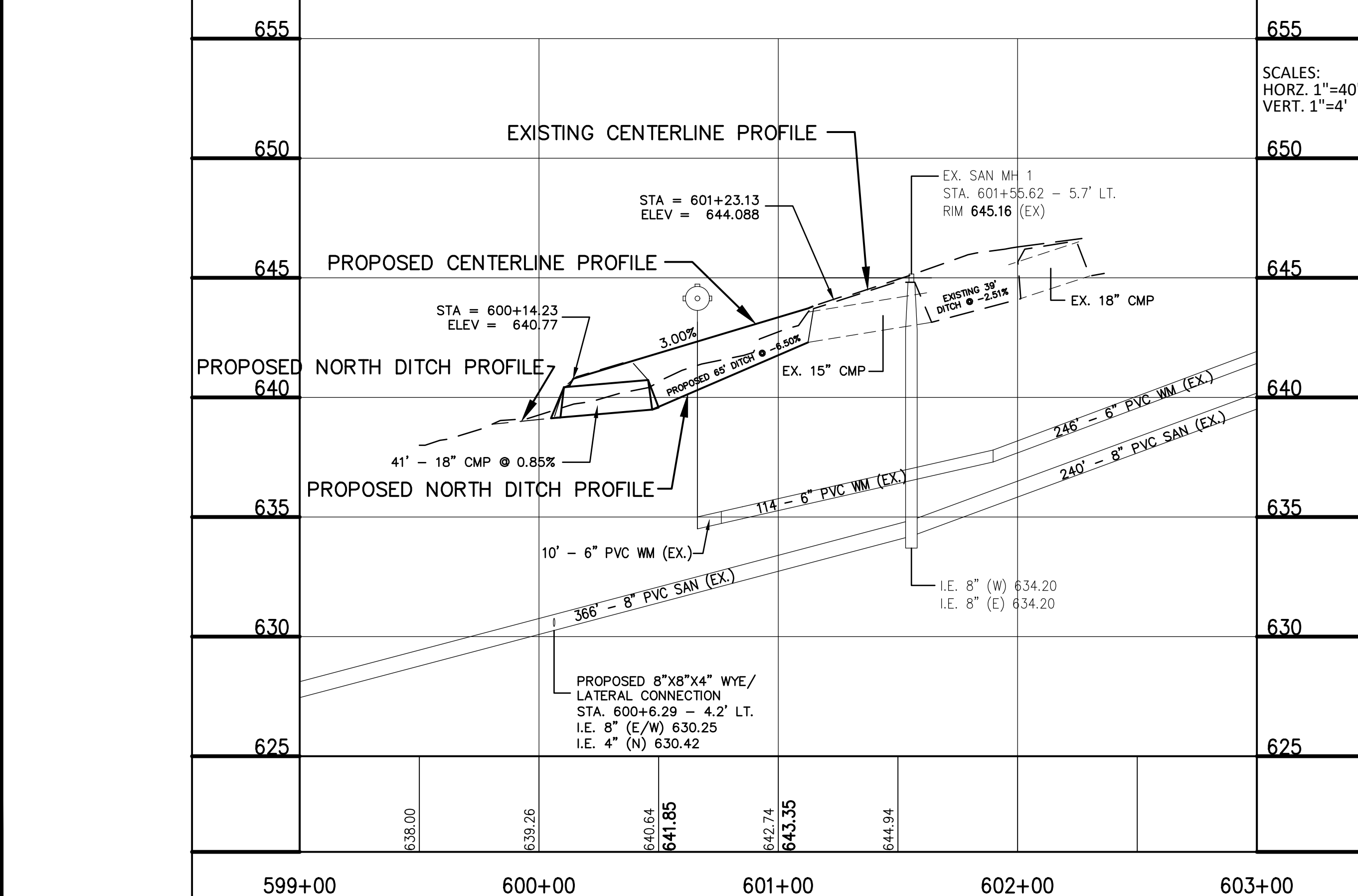
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ISSUE FOR APPROVAL: 10-6-2022



BUCKLEY ROAD (NORTH DITCH)

BUCKLEY ROAD (SOUTH DITCH)



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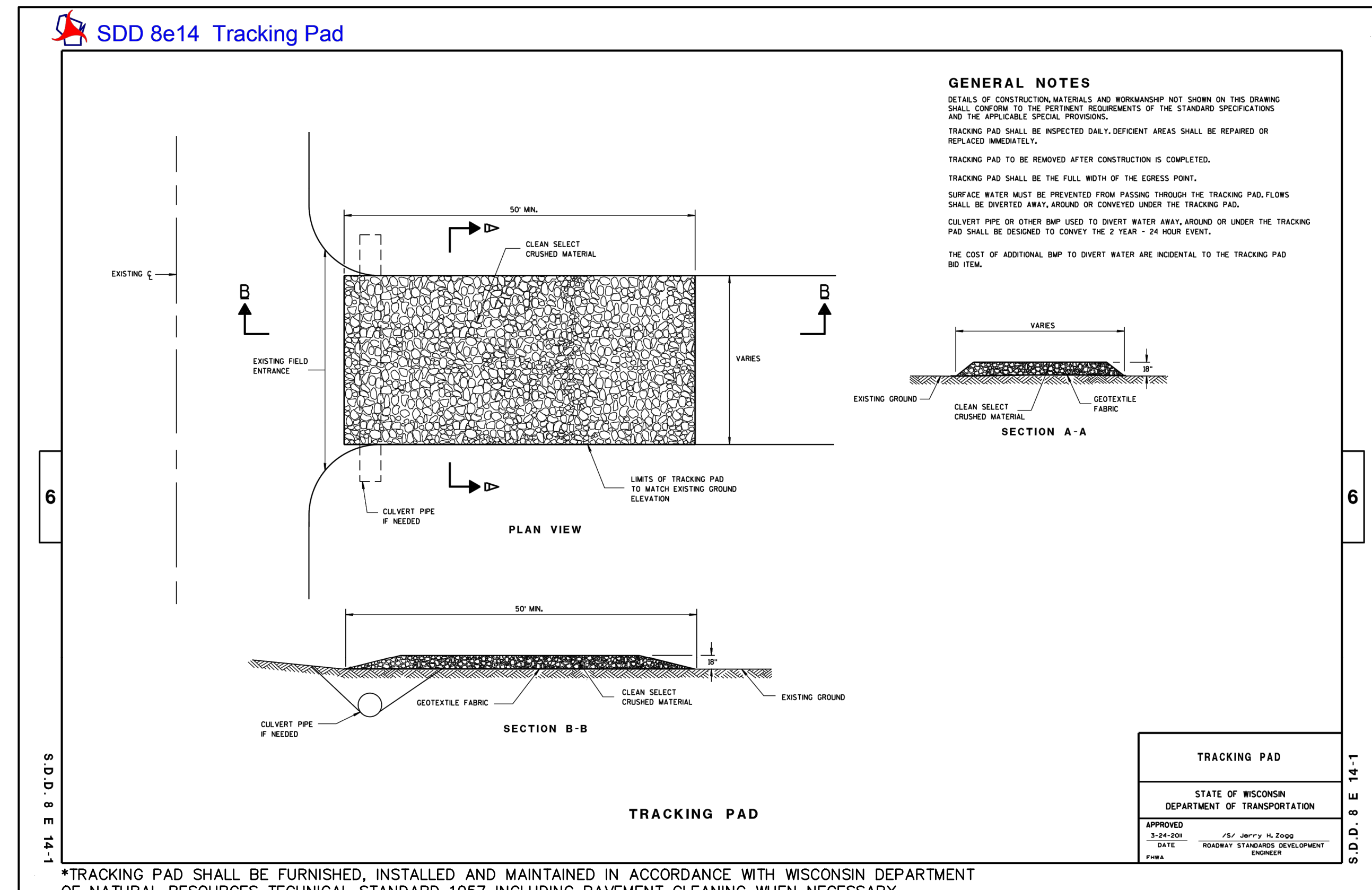
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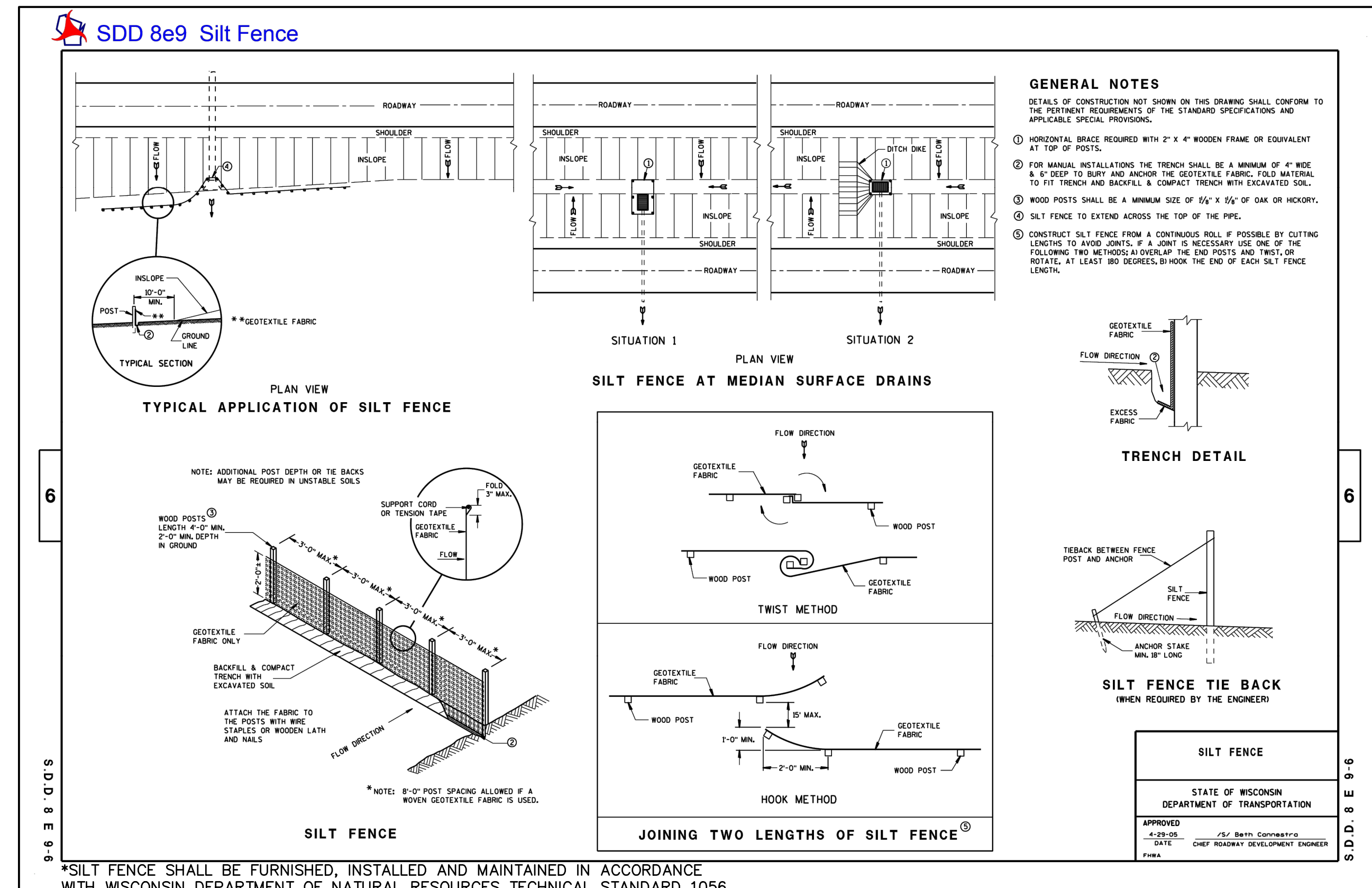
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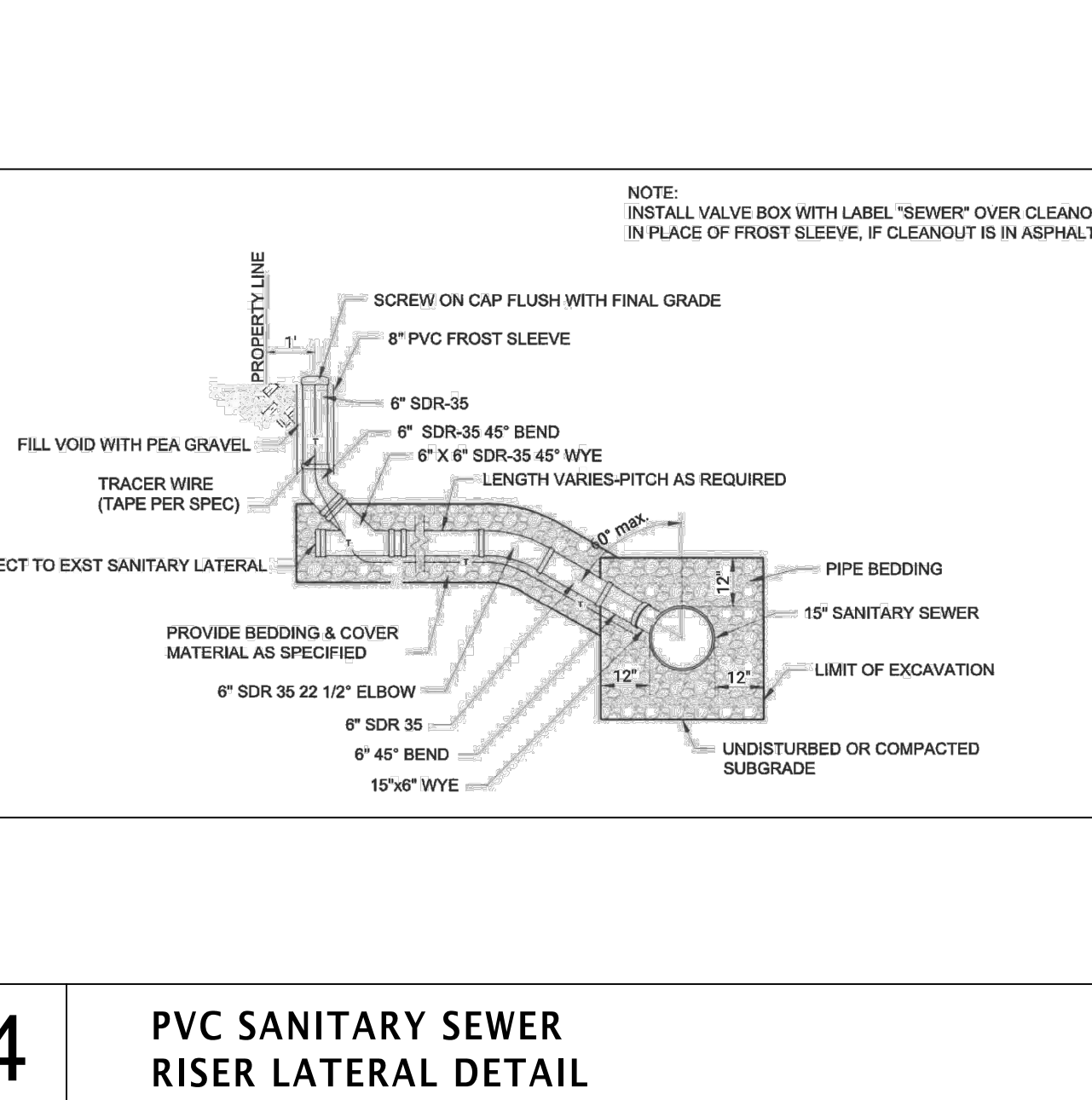
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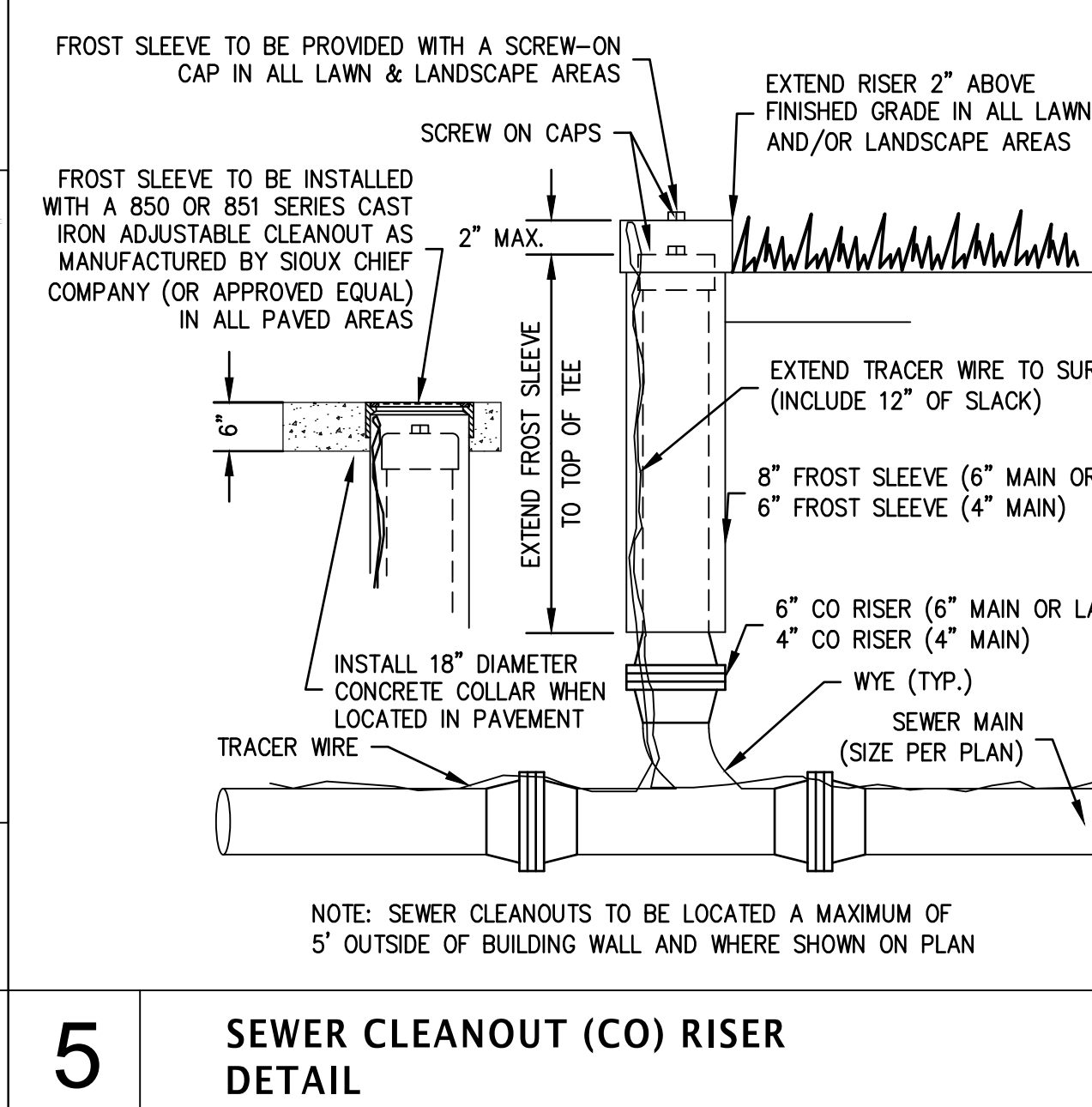
2 TRACKING PAD DETAIL N.T.S.



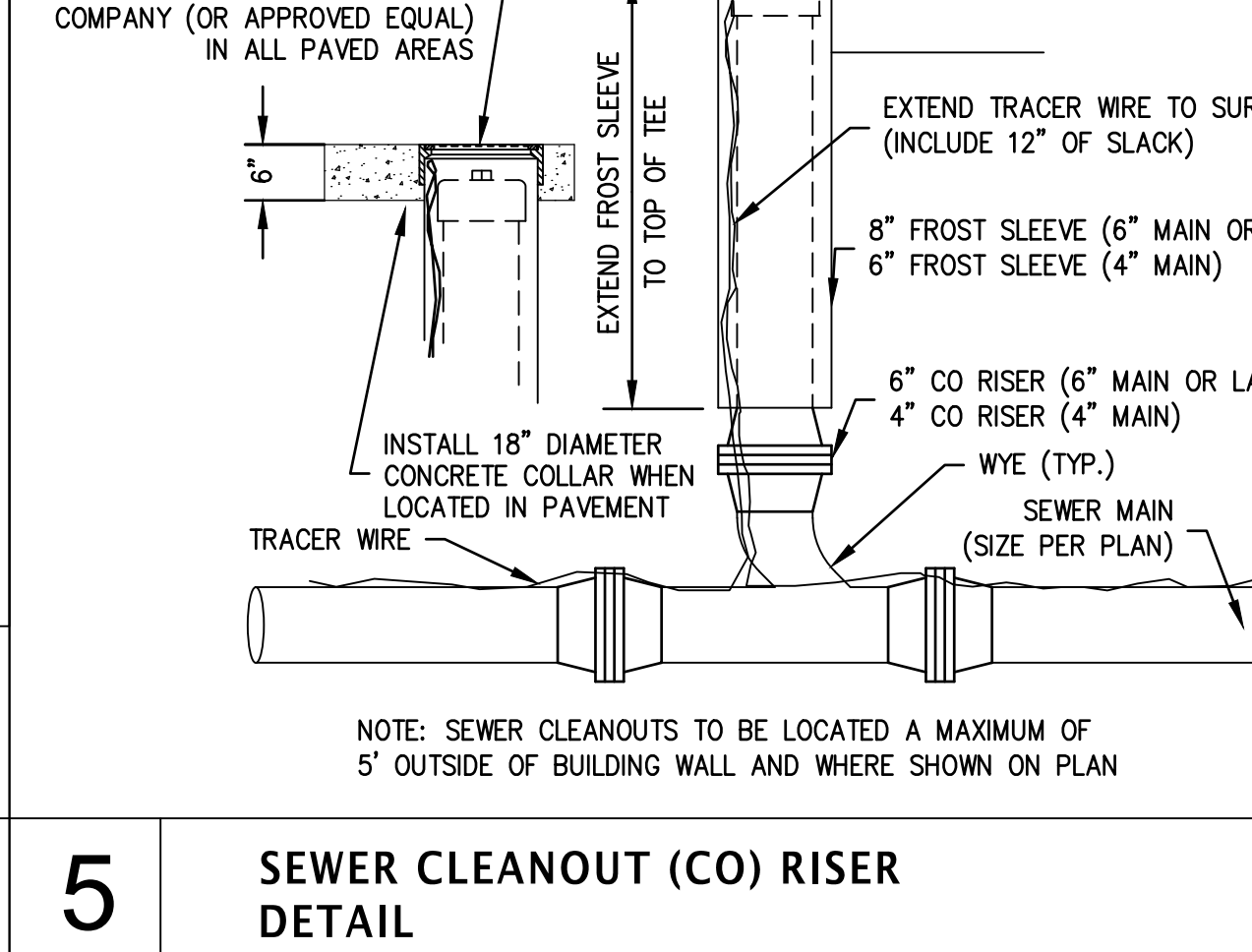
1 SILT FENCE DETAIL N.T.S.



3 INLET PROTECTION DETAIL N.T.S.



4 PVC SANITARY SEWER RISER LATERAL DETAIL



5 SEWER CLEANOUT (CO) RISER DETAIL

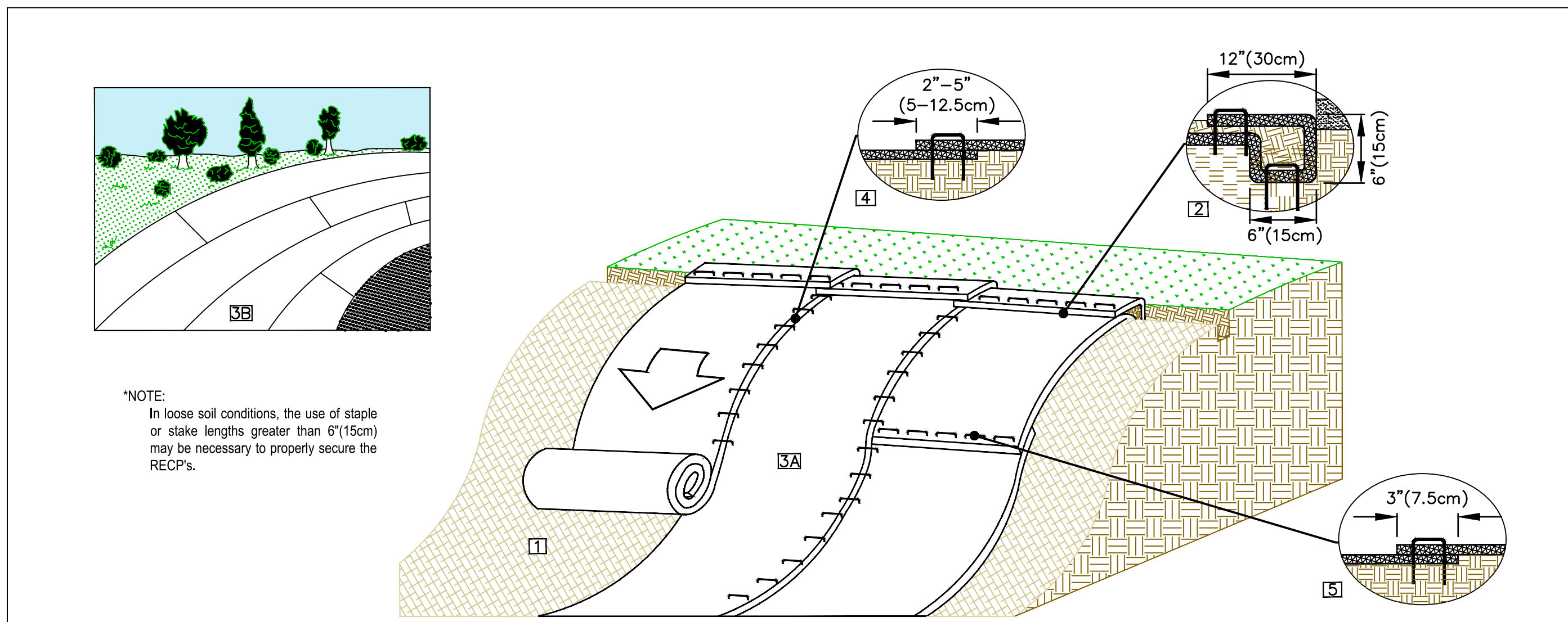
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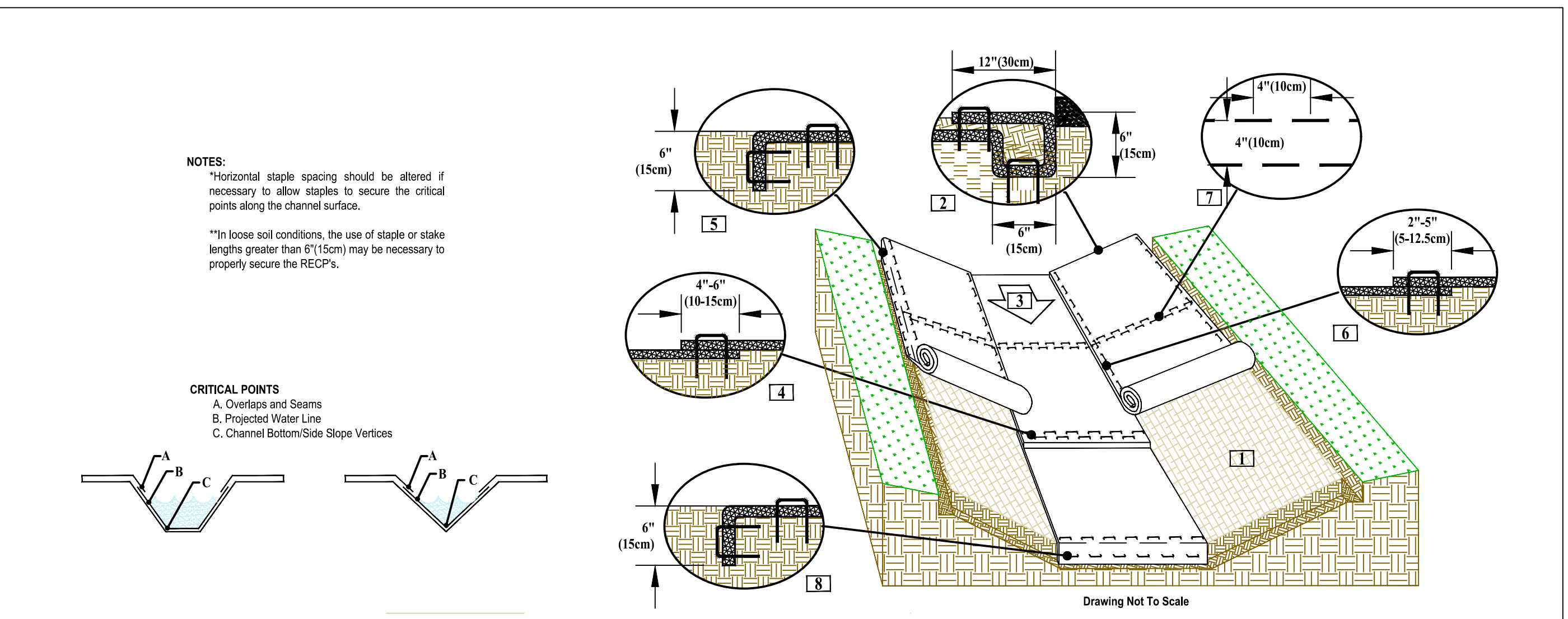
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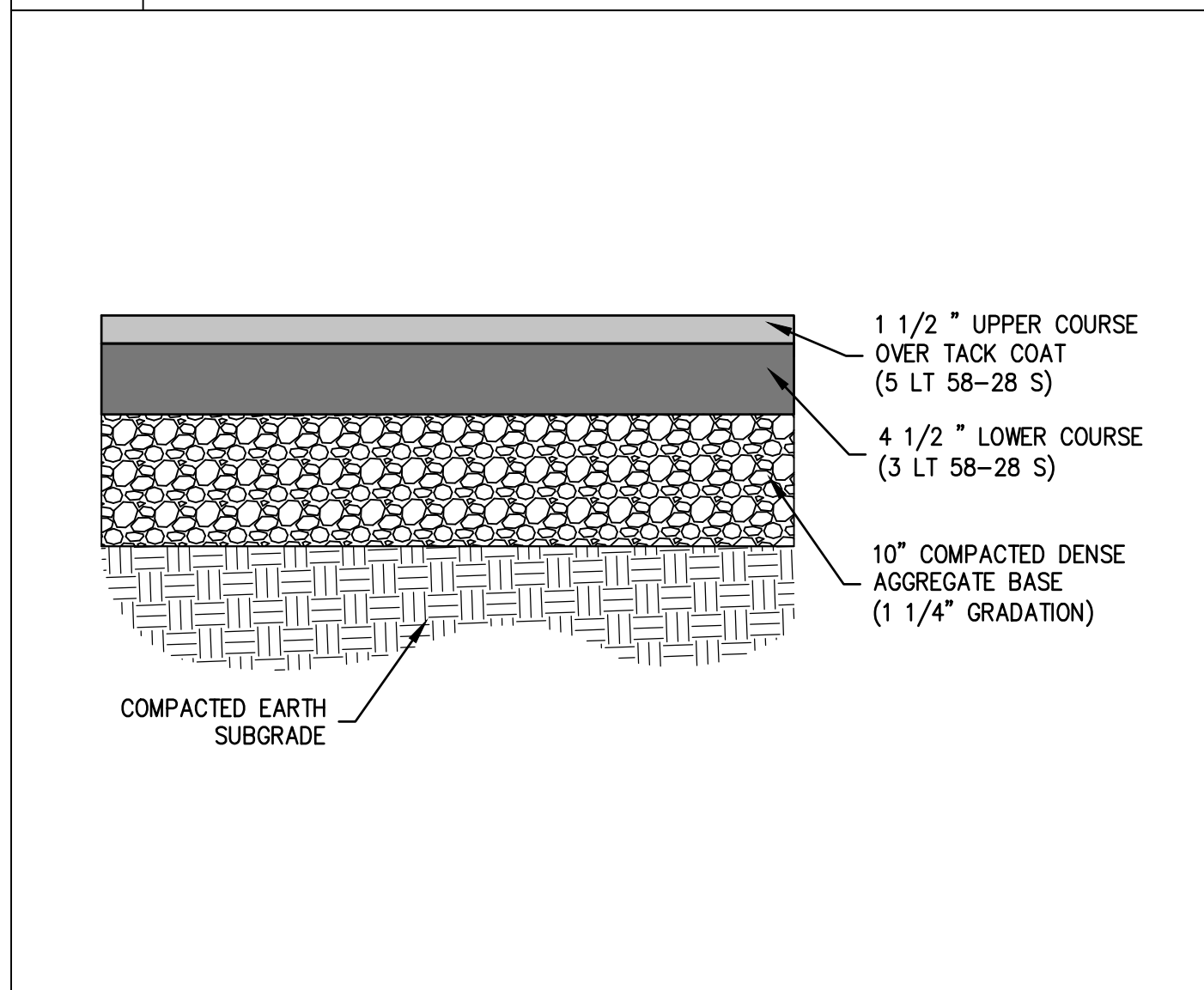
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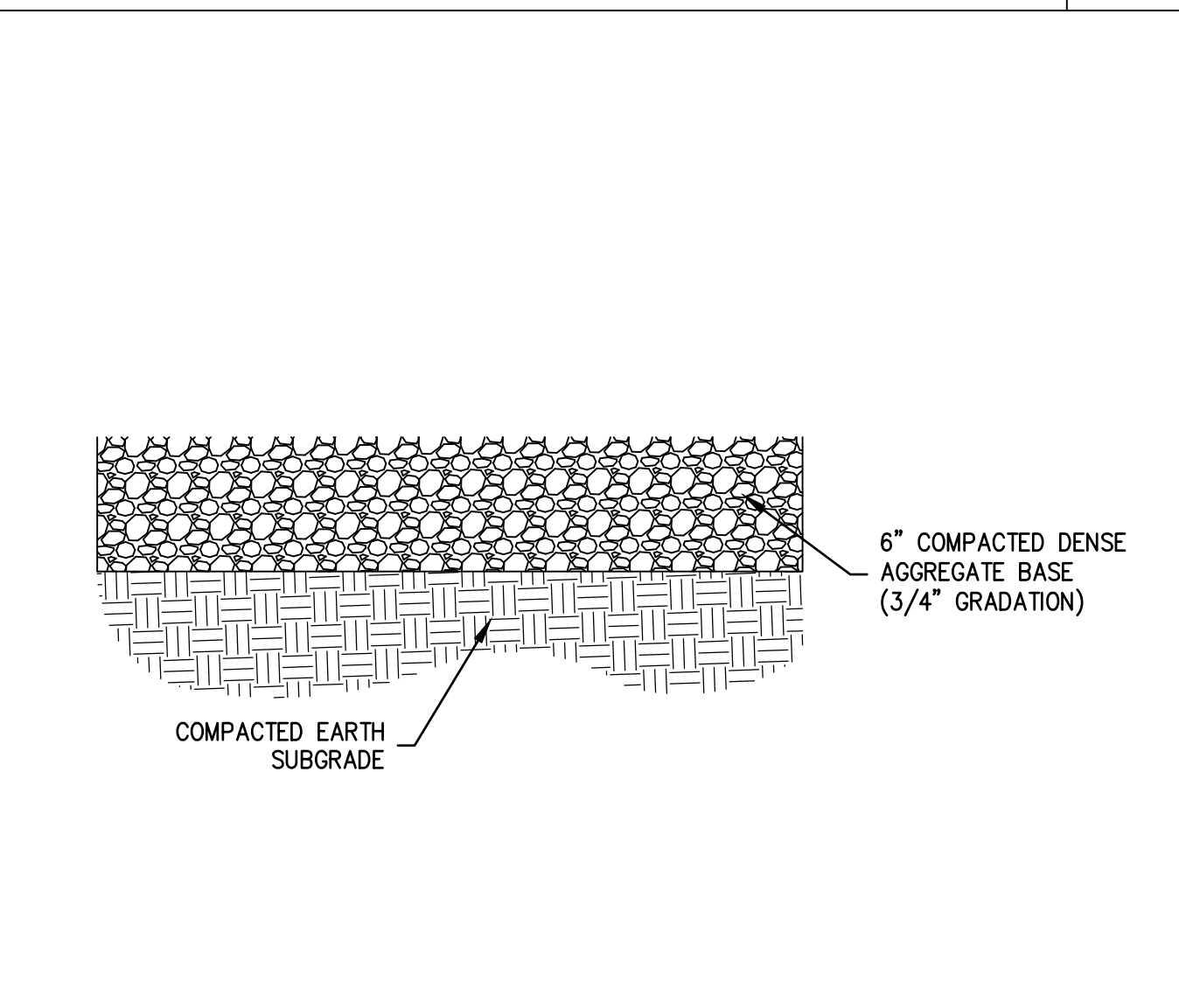
1 SLOPE INSTALLATION OF EROSION MAT DETAIL N.T.S.



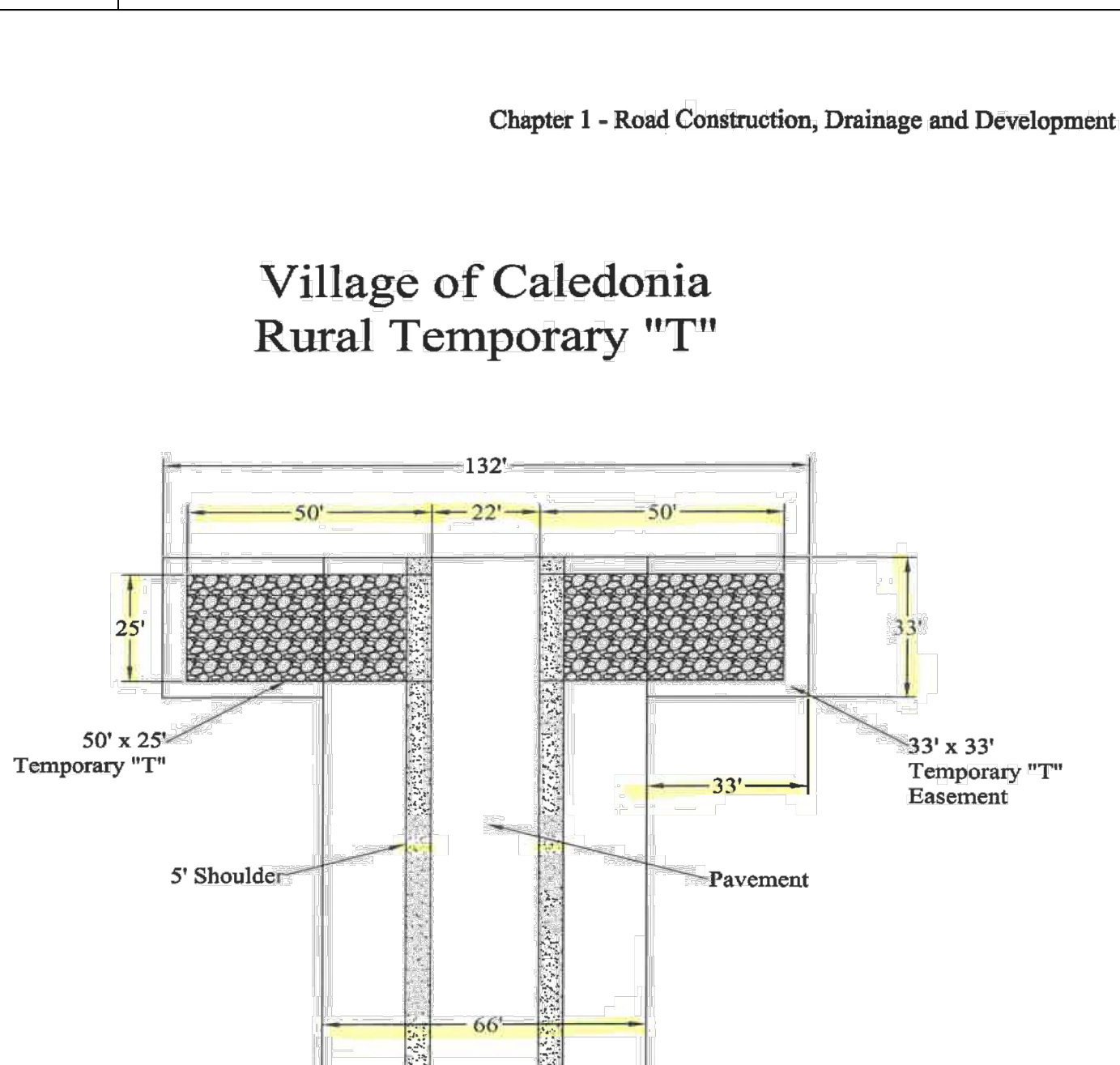
2 CHANNEL INSTALLATION OF EROSION MAT DETAIL N.T.S.



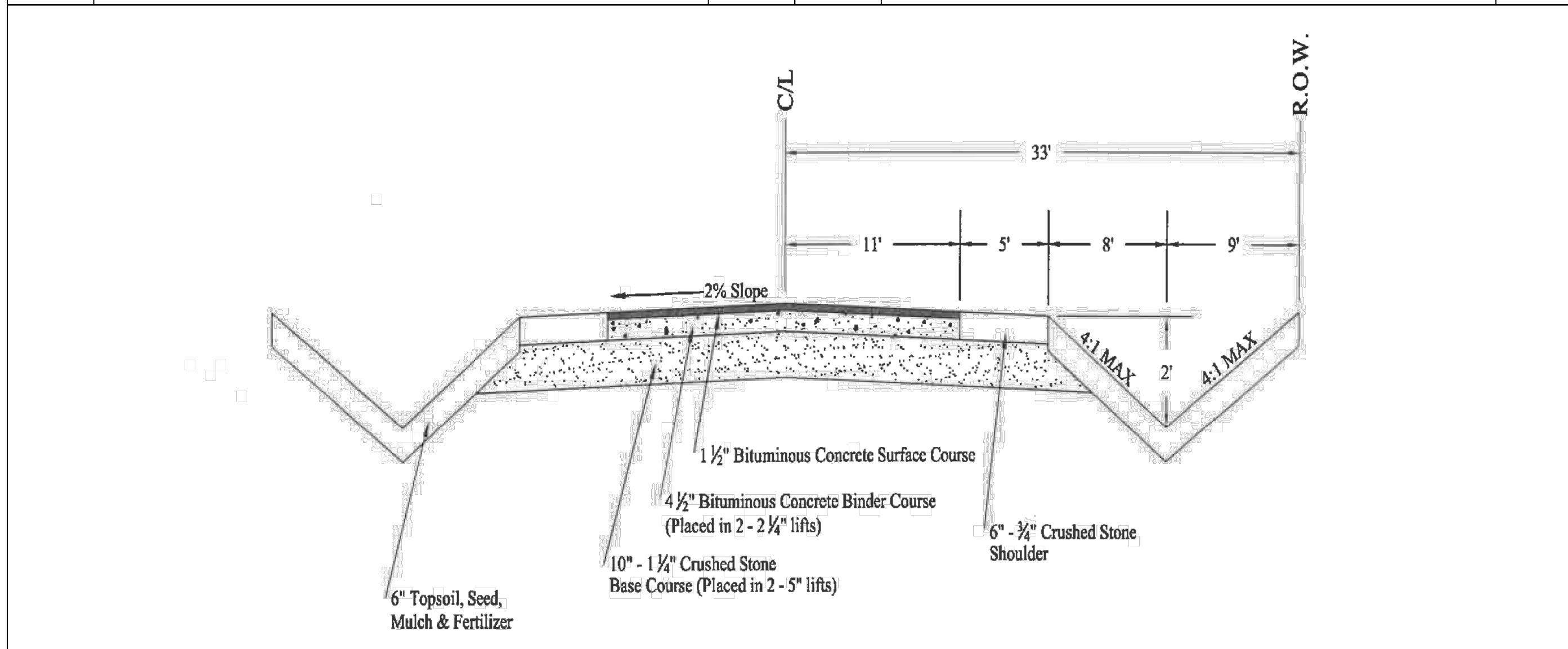
3 HEAVY-DUTY ASPHALT PAVEMENT (6\") (TYPICAL SECTION) N.T.S.



4 LIGHT-DUTY GRAVEL SHOULDER SECTION (6\") (TYPICAL SECTION) N.T.S.



6 VILLAGE OF CALEDONIA RURAL TEMPORARY \"T\" DETAIL N.T.S.



5 VILLAGE OF CALEDONIA RURAL LOCAL ROAD CROSS SECTION N.T.S.